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277 -----PLQY-----TIWKSLEQDIHPVPALTLDPGTAHQRLILSDDCTIVAYGN 321

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Db      312 SIELEKNSFNFRQYFATRKILKQIADY-----TIDPETAHNVLSEDRKSVKFE 364
Qy      322 LHPOLDSPKRFDVEVSLGEARSSGVHYWEVVAEKTOVIGLAHEAASRKGSIQIO 381
Db      365 TRLRPLPTPRFRTYPCVLTGEGTSGRHYWEVVGKRTMAVGVCDVSVRKGEIPL 424
Qy      382 PSRGFYCIWHDGNOYSACTEPWTRLNRDLKQVFLDYDOGLIFVYADDMXMTYTF 441
Db      425 PETGYWRVRLWNGDKYATTTTFPRLHKVPRKVGIFLDYEAGTILSFYVTDKSHIYTF 484
Qy      442 REKPGKCSYFSGQSHANGKNOPLRI 470
Db      485 TDTFTKMLPLFPFG-IRAGRKNAAPLTI 512

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RESULT 2
US-09-949-016-6317
; Sequence 6317, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6317
; LENGTH: 475
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6317

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Query Match      22.1%; Score 552.5; DB 4; Length 475;
Best Local Similarity 31.3%; Pred. No. 1.8e-43;
Matches 150; Conservative 88; Mismatches 208; Indels 33; Gaps 14;

Qy      7 DELLCSICLSIYODPVSLGCEHYFCRCITTEHWVROEAGARDCEPCRRTPAEPALAPSL 66
Db      12 EEVTCPICLDPPEVPVISIECGHSFCQECISQ-----VGKGGSVCPVCRGRFLKXLRPNR 67
Qy      67 KLANIVERYSSPFLDALINARRAPPCQAH-DKVKLFCLTDRALLCFPCDEPALHEQHOV 125
Db      68 QLANMVNNLKEISQEA--REGTQGERCAVHGERLHLFCEKDGKALCWVCAQSRKGRDHAM 125
Qy      126 TGIDAFDELQRELOKQOLALODSREHTEALQUL--LKRQLAETKSSKSLRTTIGBAF 182
Db      126 VPLEBAAGYOEKIQVALGELR-RKQELAEKLEVEIAIKR--ADWKTVEYQKSRINAEF 182
Qy      183 ERLHRLERQKAMELEADTARTLTDIEQKVORYSOQLRKVOBGAQIIOERLAETDRH 242
Db      183 VQOKNFVLEEBROLOEIEKDEREQRLTIGKEAKLAQO-----SQALQELISELDRR 235
Qy      243 TFLAGVASLSERL--KGKIHETNLTIEDFPPTSKYTGPIQYTIWKSLPD--IHPVPALYT 298
Db      236 CHSSALHELQEVITLERSSESNLKDLDITSELRSCVCHPGKMKMLRTCAVH-----IT 290
Qy      299 LDPGTARHORLILSDCTTVAAGNLHPQLODSPKRFDEVEVSLGEARSSGVHYWEVVA 358
Db      291 LDPGTANPWLILSEDRQVRLGDTQ-QSIPGNERFDSYPMVLGAQHFGHSKHYWEVDVT 349
Qy      359 EKTQWVIGLAHEAASRKGSIQIOPSRGFYCIWHDGNOYSACTEPWTRLNRDLKQV 418
Db      350 GKEAMDIGVCDVSVRKGEIPLLSKSGFWITWLNKKQYKAGTYTPOTPLHLQVPPCOVGI 409

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Qy      419 FLDYDOGLIIFYN-ADDMXMTYTFRE-KPFGKCSYFSGQSHANGKNOPLRIINTVRI 475
Db      410 FLDYEAGWVSFNITIDHOSLIYSFSECAFTGRLRFFSPG-FNDGGKNTAPLTLCPLNI 467

RESULT 3
US-09-949-016-11205
; Sequence 11205, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: C1001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11205
; LENGTH: 487
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-11205

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Query Match      22.1%; Score 552.5; DB 4; Length 487;
Best Local Similarity 31.3%; Pred. No. 1.9e-43;
Matches 150; Conservative 88; Mismatches 208; Indels 33; Gaps 14;

Qy      7 DELLCSICLSIYODPVSLGCEHYFCRCITTEHWVROEAGARDCEPCRRTPAEPALAPSL 66
Db      24 EEVTCPICLDPPEVPVISIECGHSFCQECISQ-----VGKGGSVCPVCRGRFLKXLRPNR 79
Qy      67 KLANIVERYSSPFLDALINARRAPPCQAH-DKVKLFCLTDRALLCFPCDEPALHEQHOV 125
Db      80 QLANMVNNLKEISQEA--REGTQGERCAVHGERLHLFCEKDGKALCWVCAQSRKGRDHAM 137
Qy      126 TGIDAFDELQRELOKQOLALODSREHTEALQUL--LKRQLAETKSSKSLRTTIGBAF 182
Db      138 VPLEBAAGYOEKIQVALGELR-RKQELAEKLEVEIAIKR--ADWKTVEYQKSRINAEF 194
Qy      183 ERLHRLERQKAMELEADTARTLTDIEQKVORYSOQLRKVOBGAQIIOERLAETDRH 242
Db      195 VQOKNFVLEEBROLOEIEKDEREQRLTIGKEAKLAQO-----SQALQELISELDRR 247
Qy      243 TFLAGVASLSERL--KGKIHETNLTIEDFPPTSKYTGPIQYTIWKSLPD--IHPVPALYT 298
Db      248 CHSSALHELQEVITLERSSESNLKDLDITSELRSCVCHPGKMKMLRTCAVH-----IT 302
Qy      299 LDPGTARHORLILSDCTTVAAGNLHPQLODSPKRFDEVEVSLGEARSSGVHYWEVVA 358
Db      303 LDPGTANPWLILSEDRQVRLGDTQ-QSIPGNERFDSYPMVLGAQHFGHSKHYWEVDVT 361
Qy      359 EKTQWVIGLAHEAASRKGSIQIOPSRGFYCIWHDGNOYSACTEPWTRLNRDLKQV 418
Db      362 GKEAMDIGVCDVSVRKGEIPLLSKSGFWITWLNKKQYKAGTYTPOTPLHLQVPPCOVGI 421
Qy      419 FLDYDOGLIIFYN-ADDMXMTYTFRE-KPFGKCSYFSGQSHANGKNOPLRIINTVRI 475
Db      422 FLDYEAGWVSFNITIDHOSLIYSFSECAFTGRLRFFSPG-FNDGGKNTAPLTLCPLNI 479

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RESULT 4
US-08-724-394A-7
; Sequence 7, Application US/08724394A
; Patent No. 5872237
; GENERAL INFORMATION:
; APPLICANT: Feder, John N.

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APPLICANT: Kronmal, Gregory S.
APPLICANT: Lauer, Peter M.
APPLICANT: Ruddy, David A.
APPLICANT: Thomas, Winston
APPLICANT: Teuchihashi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
TITLE OF INVENTION: Sequences and Antibodies Thereto
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,394A
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Fiteb, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 017957-000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 487 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Region
LOCATION: 1..487
OTHER INFORMATION: /note= "52 KD Ro"
US-08-724-394A-7
Query Match 21.8%; Score 546.5; DB 2; Length 487;
Best Local Similarity 30.4%; Pred. No. 6,9e-43;
Matches 150; Conservative 92; Mismatches 202; Indels 49; Gaps 16;
QY 7 DELLSGICLSIYODPVSIGCEHYFCRCITTEHNVREAGAGARD-----CPECRRTF 57
DB 12 EEVTCICIDPPEVPEVSIICGHSFCQECIS-----QVGGGGGXXXXXXVCPVCRORF 66
QY 58 AEPALAPSLKANIYERYSFPLDAIILNRRAPRQAH-DKVKLFCLTRALLCFFCDE 116
DB 67 LKKNLRPNQALNMVNNLKEISGEA--RGTCGERCAVNGERHLFCEDGKALCVCAQ 124
QY 117 PALHEQHYTGIDAFDELQREIKDQALQADSERHTALQI--LKRQLAETKSTKS 173
DB 125 SKRHRDHAVVPLEEAAQYOEKQLQVALGELR-RKQSLAELTVEVIAIKR--ADMKTIVET 181
QY 174 LRTTIGAEFERLRLRERQKAMLELTDARTLTDIQKQVORYSOQLRQOEGQOILQ 233
DB 182 QKSRIHAEEVQQKNFVEEQRQLDELKDEREQLLIEKEKXLAQ-----SQAQ 234
QY 234 ERLAETDRHTFLAGVNSISRL-----KGKIHETNLTYEDPPTSKYTGPLQYTIWKS 286
DB 235 ELISEDRCHSALELLQEVITIVLEESNMKLDIDITSPELRSYCHV-PXXXXLXKX 293
QY 287 FQD--IHPVPAALTIDPGTAHORLLISDCTIVAYGNLHPQLQDSPKRPFVSVLSGE 344
DB 294 LRTCAVH-----ITLDPOTANPWLILSEDRRQVRLDQI-QSIPGNEERFDSYPMVLGAQ 347

QY 345 AFSSGVHWEVVAEKTOVIGLAHEAASRKSGIQIOPSRGFYCIWMHGNQYSACTEPM 404
DB 348 HFGSKHTEWVDVYTKEMADLGVCDSVRKRGHPLSSKSGFWITLWNNKQYBAQTYPQ 407
QY 405 TRLNVRDKLQKGVFLDYDQGLIYRN-ADMSWLYTRE-KEPKCLSYSPGQSHANG 462
DB 408 TELHGVPCQGIPLDYEAGWVSFYNTDHSLSIFSECAFPTPLRPFPSPG-FNDQG 466
QY 463 KNVQPLRINTVRI 475
DB 467 KNTAPLTLCPLNI 479
RESULT 5
US-08-724-394A-8
Sequence 8, Application US/08724394A
Patent No. 5872237
GENERAL INFORMATION:
APPLICANT: Feder, John N.
APPLICANT: Kronmal, Gregory S.
APPLICANT: Lauer, Peter M.
APPLICANT: Ruddy, David A.
APPLICANT: Thomas, Winston
APPLICANT: Teuchihashi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: Megabase Transcript Map: No. 5872237el
TITLE OF INVENTION: Sequences and Antibodies Thereto
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,394A
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Fiteb, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 017957-000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 485 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Region
LOCATION: 1..485
OTHER INFORMATION: /note= "Rorel"
US-08-724-394A-8
Query Match 19.4%; Score 486; DB 2; Length 485;
Best Local Similarity 29.3%; Pred. No. 3.6e-37;
Matches 137; Conservative 80; Mismatches 213; Indels 38; Gaps 12;
QY 5 LKDELCSICLSIYODPVSIGCEHYFCRCITTEHNVREAGAGARD-----CPECRRTFAP 60
DB 10 NMEEATCSICLSIMNPVINSINGHSYCHLCITDFKNPQKQLRQETFCPCQCRAPFHM 69
QY 61 ALAPSLKANIYERYSFPLDAIILNRRAPRQAH-DKVKLFCLTRALLCFFCDEPAL 119

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Db      70 SLRPNKQGLSLIALKE--TDQENKXXXXXXXXXSCHEHQPHLFEDEGCOLICWCEBAPQ 127
Qy      120 HEHQVGTGIDAFBELQRELKQOLALODSERHEHTALQLKROLAETKSTYSKSLRTTIG 179
      128 HKGHTALVEVVCQGYEKOKAVTKLKOLEDRCETOKLSTAMRTKWKVKQIQORQKIR 187
Qy      180 EAFERHLRLEROKAMLELEADTARTLT---DIEKQORYSQLR-----KYQEG 228
      188 SDFGNLCQPLHEEKSTYLMLEKEEQOTLSRLDYEGLGKSNELKSHILLEEKQOGS 247
Qy      229 AQLIQELAETDRHTFLAGVASLSERLKGRIHETNLTYEDPITSKYGPLOYTIMKSLQ 288
      248 AQLKLOVNDT-----LSRWAVALKETSSEAVSLHLMCMVSKLIPYVKMLMS 296
Qy      289 DIHPVALTLDPGTAHQRLISDPCITVAYGNLHQPLQD-SPKPDEVSVLSSEAP 347
      297 --HQV--SVTLDPDTAHEHLISDRROVTRG--YTQENDTSSRRFTAFPCLGCEGFT 350
Db      348 SGVHWVWVAEKTQWVIGLAHEAASKSIOIQPSRGFYCIYMHGNOYSACTEPWRL 407
      351 SGRRYFEVDVGEQGMVLCVCMENVQKGMQEPQSGFWTLRLCKKKGVALTSPISL 410
Qy      408 NVADKLDKGVVFLDYQGLLIFYNADMS-WLYTF-REKFPKGLCSYF 453
      411 HLHEQPLVGLFLDYEGVVSFYNGXNTGCHIFTPFKASFSPTLRYEF 458

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RESULT 6
US-09-949-016-10972
; Sequence 10972, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10972
; LENGTH: 513
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-10972

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Query Match      18.3%; Score 459; DB 4; Length 513;
Best Local Similarity 27.0%; Pred. No. 1,4e-34;
Matches 130; Conservative 85; Mismatches 214; Indels 52; Gaps 12;

Qy      1 MACSKDILLGICISLTIQDPVSLGCEHYFCRCITTEHMV-----ROEAQARDCEPC 53
      42 LARKQEBATSCICLDYTPDVTTCGHNFCRACIQLSWEKARGKRRKRSKGFPCPEC 101
Db      54 RTFAEPALAPSLKLANIVERYSFPLDAIINARRARPCQA-HDKYKLPCLTDRALLCF 112
      102 REMSPQRNLNRLNLTLYKAEMAQOHF-----GLQKQDLCQENHEPLKLPQXQOQSPICV 155
Qy      113 FCDPALHEQHOVTGIDAFDELQRELKQOLALODSERHEHTALQLKRO-LAETSST 171
      156 VCRSRERHRLRVPAEAVQGYKLKLEBDEWYFRE-QITRTGLQAREQSLAEWQGV 214
Db      172 KSLTTLGEAFERHLRLEROKAMLELEADTARTLTIDIBQY-----QRYSQQLRKVQ 226
      215 KERERIVLEFERKMLYVEEBORLQALTEEBETASRLRESVACIDRGHSHIELLLIQ 274

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Qy      227 EGAQLIOERLAETDRHTFLAGVASLSERLKGRIHETNLTYEDPITSKYTGPLQYIMKSL 286
      275 -----LEERSIQGLQMLQDMKEPLSRKNNSVQCEPAFPTRPRIVRVGQILEVLRGF 329
Qy      287 FODIHVPALTLDPGTAHQRLISDPCITVAYGNLHQPLQDSPK-----RFDVEV 338
      330 LEDVVP-----DATSAVYPILL-----YESRQRRYLSSBEGSGCSKDRFYAYP 374
Qy      339 SVLGEAFSSGVHWYEV--VVAEKTQWVIGLAHEAASKSIOIQPSRGFYCIYMHGNO 396
      375 CAVGOTAFSSGRHLYEVGMNITGDALMALGVCRONVSKDRVPCPENGFVWVGLSKGTK 434
Qy      397 YSACTEPWTRLNVADKLDKGVFLDYQGLLIFYNADMSWLYTFRE-KFPKGLCSYFSP 455
      435 YLSTPSALTPLYMLPEPSSHMGIFLDFEAGEVSFYSDSGSHLHTYSQATFPGLQPFCL 494
Qy      456 G 456
      495 G 495

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RESULT 7
US-09-949-016-6363
; Sequence 6363, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6363
; LENGTH: 539
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6363

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Query Match      17.9%; Score 449; DB 4; Length 539;
Best Local Similarity 24.9%; Pred. No. 1,4e-33;
Matches 135; Conservative 96; Mismatches 192; Indels 120; Gaps 16;

Qy      4 SLKDELLGICISLTIQDPVSLGCEHYFCRCITTEHMVROEAQARDCEPCRTFAEPALA 63
      9 SLEEVTCISICLDYLPDVTIDCGHVFCSRCTTD--VPRISGRVCPICKPKPKKENIR 66
Db      64 PSIKLANIVERYSFPLD-----AIIINARRARPCQA-HDKYKLPCLTDRALLCFPDE 116
      67 PVMQSLASTVENIERLKVNDKGRQGEVTRBQQAICENHREKLYHYCEDDGKLLCVWGRE 126
Qy      117 PALHEQHOVTGIDAFDELQRELKQOLALODSERHEHTALQLKROLAETKSTYSKSL- 174
      127 SREHRTAVLMEKAQAPREKILNHLSTLR-RDRDKIQGRQ--AKGADILAAALKQLOD 183
Db      175 -RTTIGAFERHLRLEROKAMLELE-----ADTARTLTIE 212
      184 QROYIVAEFGHQHQLREHERHLEQLAKLROELTEGSEKRSRGVGEIARLALVTSILE 243
Qy      213 QVQVRYSOQLRKVQGAQIQR--LAETDRHTFLAG--VASLSERLKGRIHETNLTYE 267
      244 GKAQ-----QPAELMQDTRDFLNRYPRKKFWGVCKPAPRVVKKTKGTFSPSKLSLQ 294
Db      268 DFPITSKYTGPLQYIMKSLFODIHVPALTLDPGTAHQRLISDPCITVAYGNLHQPL 327
      295 R-GIREFGQ-----KLARDLEKTVSVTLDPQASAGYQLQLESDWKCVTYTSIAYKSAV 345

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QY 308 LILSDCTIYAYGNLHPOLDSPKRFDVEVSLGSEAFSSGVHWEVVAEKTOWIGL 367
 Db 611 LILSDDLKSVRLGNKM-ERLPDGPORFDSCTIYVLSGSPFLSGRRYWEVVDGKTAMILGA 669
 QY 368 AHEAASRKSGSIQIOPSRGFYCIYMDGNQYSACTEPMWRLNVRDLKDVGFVLDYDQGL 427
 Db 670 CXTSISRKNMTLSPENGYVWVIMKENYQASVFPRLRIKEPPKRVGIFVYRVGSI 729
 QY 428 IFYNADMSWLYTFRE-KFPGKLCYFSPGOSHANGKVVOPRI 470
 Db 730 SFYNVTARSHIYTFASCSFSGPLPIFSPG-TRDGGKNTAFLTI 772

RESULT 10
 US-09-949-016-5908
 / Sequence 5908, Application US/09949016
 / Patent No. 6812339
 / GENERAL INFORMATION:
 / APPLICANT: VENTER, J. Craig et al.
 / TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 / FILE REFERENCE: C0001307
 / CURRENT APPLICATION NUMBER: US/09/949,016
 / PRIOR FILING DATE: 2000-04-14
 / PRIOR APPLICATION NUMBER: 60/241,755
 / PRIOR FILING DATE: 2000-10-20
 / PRIOR APPLICATION NUMBER: 60/237,768
 / PRIOR FILING DATE: 2000-10-03
 / PRIOR APPLICATION NUMBER: 60/231,498
 / NUMBER OF SEQ ID NOS: 207012
 / SOFTWARE: FastSeq for Windows Version 4.0
 / SEQ ID NO 5908
 / LENGTH: 781
 / TYPE: PRY
 / ORGANISM: Human
 US-09-949-016-5908

Query Match 17.1%; Score 427.5; DB 4; Length 781;
 Best Local Similarity 25.2%; Pred. No. 2.7e-31;
 Matches 12; Conservative 79; Mismatches 168; Indels 145; Gaps 17;
 QY 20 DPVSLGCEHYFCR-RCITEHWVROBAGARD--CPECRRTF--AEAPALPSLTANIV 72
 Db 321 DPVDTGCVVSDSCSPPEAVSGH--PQASGSRSPGCPQDSHERKSPSLSPQ----- 370
 QY 73 ERYSPFLDALINARARARPCOANDK--VKLFCLTRALCFCDDEPRLHBOHOVTGID 130
 Db 371 -----PLP-----QCRHLKQVQLFCEDHDEPILCLISLGOEHGHRVRIEE 414
 QY 131 AFDELQRELKQDQLOLQDSEREHTEALQRLKRLAETKS-----STKSLRTTIGEAPE 185
 Db 415 VALEHKKKIKQLEHLKTLRKSGEE--QRYGEKAVSFLKQTEALKQRYQKLEQV 469
 QY 186 HRLLRERQ-----KAMLEELADTAR----- 206
 Db 470 YFFLEQGHFVVASLEDVGQWVGQIRKAYDTRVSQDIALDALIGLEIAKECQSEWELLQ 529
 QY 207 -----TLTDIEQVORYSQOLRKVQSGAQILOERLAETDRHTFLAG 247
 Db 530 DIGDILHRAKTVPVEKMTTPQBIKQIKQLHQKSEFVKSTYFSETL-RSEMEWF--- 585
 QY 248 VASISERLKGKIHETNLTVEDP--PTSKYTGPELOTTIKSIFQDIHPVPALTLDPGT 303
 Db 586 --NVPBELIGAQAHAHV-----IQIFFAVNV-----LDAET 628
 QY 304 AHQQLILSDCTIYAYGNLHPOLDSPKRFDVEVSLGSEAFSSGVHWEVVAEKTOWIGL 367
 Db 611 LILSDDLKSVRLGNKM-ERLPDGPORFDSCTIYVLSGSPFLSGRRYWEVVDGKTAMILGA 669
 QY 368 AHEAASRKSGSIQIOPSRGFYCIYMDGNQYSACTEPMWRLNVRDLKDVGFVLDYDQGL 427
 Db 748 VGSISFYNTARSHIYTFASCSFSGPLPIFSPG-TRDGGKNTAFLTI 772

Db 670 CXTSISRKNMTLSPENGYVWVIMKENYQASVFPRLRIKEPPKRVGIFVYRVGSI 729
 QY 428 IFYNADMSWLYTFRE-KFPGKLCYFSPGOSHANGKVVOPRI 470
 Db 730 SFYNVTARSHIYTFASCSFSGPLPIFSPG-TRDGGKNTAFLTI 772

RESULT 11
 US-09-949-016-11422
 / Sequence 11422, Application US/09949016
 / Patent No. 6812339
 / GENERAL INFORMATION:
 / APPLICANT: VENTER, J. Craig et al.
 / TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 / FILE REFERENCE: C0001307
 / CURRENT APPLICATION NUMBER: US/09/949,016
 / PRIOR FILING DATE: 2000-04-14
 / PRIOR APPLICATION NUMBER: 60/241,755
 / PRIOR FILING DATE: 2000-10-20
 / PRIOR APPLICATION NUMBER: 60/237,768
 / PRIOR FILING DATE: 2000-10-03
 / PRIOR APPLICATION NUMBER: 60/231,498
 / NUMBER OF SEQ ID NOS: 207012
 / SOFTWARE: FastSeq for Windows Version 4.0
 / SEQ ID NO 11422
 / LENGTH: 803
 / TYPE: PRY
 / ORGANISM: Human
 US-09-949-016-11422

Query Match 17.0%; Score 424.5; DB 4; Length 803;
 Best Local Similarity 25.8%; Pred. No. 5.3e-31;
 Matches 136; Conservative 83; Mismatches 178; Indels 131; Gaps 20;
 QY 20 DPVSLGCEHYFCR-RCITEHWVROBAGARD--CPECRRTF--AEAPALPSLTANIV 72
 Db 321 DPVDTGCVVSDSCSPPEAVSGH--PQASGSRSPGCPQDSHERKSPSLSPQ----- 370
 QY 73 ERYSPFLDALINARARARPCOANDK--VKLFCLTRALCFCDDEPRLHBOHOVTGID 130
 Db 371 -----PLP-----QCRHLKQVQLFCEDHDEPILCLISLGOEHGHRVRIEE 414
 QY 131 AFDELQRELKQDQLOLQDSEREHTEALQRLKRLAETKS-----STKSLRTTIGEAPE 185
 Db 415 VALEHKKKIKQLEHLKTLRKSGEE--QRYGEKAVSFLKQTEALKQRYQKLEQV 469
 QY 186 HRLLRERQ-----KAMLEELADTAR----- 206
 Db 470 YFFLEQGHFVVASLEDVGQWVGQIRKAYDTRVSQDIALDALIGLEIAKECQSEWELLQ 529
 QY 207 -----TLTDIEQVORYSQOLRKVQSGAQILOERLAETDRHTFLAG 247
 Db 530 DIGDILHRAKTVPVEKMTTPQBIKQIKQLHQKSEFVKSTYFSETL-RSEMEWF--- 585
 QY 248 VASISERLKGKIHETNLTVEDP--PTSKYTGPELOTTIKSIFQDIHPVPALTLDPGT 303
 Db 586 --NVPBELIGAQAHAHV-----IQIFFAVNV-----LDAET 628
 QY 304 AHQQLILSDCTIYAYGNLHPOLDSPKRFDVEVSLGSEAFSSGVHWEVVAEKTOWIGL 367
 Db 629 AYPMLILSDDLKSVRLGNKM-ERLPDGPORFDSCTIYVLSGSPFLSGRRYWEVVDGKTAM 687
 QY 364 VIGLHAAASRKSGSIQIOPSRGFYCIYMDGNQYSACTEPMWRLNVRDLKDVGFVLDYD 423
 Db 688 ILGACKTSISRKNMTLSPENGYVWVIMKENYQASVFPRLRIKEPPKRVGIFVYRVGSI 729
 QY 424 QGLILFYNADMSWLYTFRE-KFPGKLCYFSPGOSHANGKVVOPRI 470
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RESULT 12
US-09-486-147-38
; Sequence 38, Application US/09486147
; Patent No. 6627745
; GENERAL INFORMATION:
; APPLICANT: The Government of the United States of America, as
; APPLICANT: represented by the Secretary, Department of Health and Human
; APPLICANT: Services
; APPLICANT: Daniel L. Kastner
; APPLICANT: Ivona Aksentijevich
; APPLICANT: Michael Centola
; APPLICANT: Zhiming Deng
; APPLICANT: Adam Sood
; APPLICANT: Francis S. Collins
; APPLICANT: Trevor Blake
; APPLICANT: P. Paul Liu
; APPLICANT: Deborah Gumcio
; APPLICANT: Robert I. Richards
; APPLICANT: Darrell O. Riche
; APPLICANT: Nd. 6627745man A. Doggett
; APPLICANT: Morechai Pras
; TITLE OF INVENTION: IDENTIFICATION OF THE GENE CAUSING
; TITLE OF INVENTION: FAMILIAL MEDITERRANEAN FEVER
; FILE REFERENCE: 14014.031401
; CURRENT APPLICATION NUMBER: US/09/486,147
; PRIOR FILING DATE: 2000-08-07
; PRIOR APPLICATION NUMBER: PCT/US98/17255
; PRIOR FILING DATE: 1998-08-20
; PRIOR APPLICATION NUMBER: 60/056,217
; PRIOR FILING DATE: 1997-08-21
; NUMBER OF SEQ. ID NOS: 45
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ. ID NO 38
; LENGTH: 179
; TYPE: PRT
; ORGANISM: Pldurodeles waltl
US-09-486-147-38

Query Match      16.8%; Score 421; DB 4; Length 179;
Best Local Similarity 47.7%; Pred. No. 1,1e-31;
Matches 84; Conservative 28; Mismatches 62; Indels 2; Gaps 2;

QY 295 AALTPDPTAHORLILSDCTIVAYGNLHPLODSPKRFDEVSVLGSEAFSSGVHWE 354
DB 1 APLTIDPTAHNLVLSELTIVKTDY- KQULPNPKKFSQCIVLGSEFDSGRHYE 59
QY 355 VVAEKTQWVIGLAHEAASRKSGIQIPSRGFCYVMHDGNOYSACTEPTRLNVRDKLD 414
DB 60 VEVGNKTAMDVGWASSESSNRKGIKLNPNKGWALWLRNGNAFKLIESKTLNLTSPS 119
QY 415 KVGVLIDYDQGLIFPNADDMWLYTFREKFPKGLCSYFSGSHANGKNOPLRI 470
DB 120 KIGVLDYEGGVSEFNADMSPIYTFNGSFTEKLYPYLSPLOD- SGNAEPLKL 174

RESULT 13
US-09-949-016-7012
; Sequence 7012, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ. ID NOS: 207012

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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ. ID NO 7012
; LENGTH: 842
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-7012

Query Match      16.5%; Score 413.5; DB 4; Length 842;
Best Local Similarity 26.7%; Pred. No. 6.3e-30;
Matches 133; Conservative 91; Mismatches 196; Indels 79; Gaps 18;

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QY 60 PALASPLKLANIVERYSSFPDLAIIMARRAARPCQAH-DKVLFLCTLRALCFDEBA 118
DB 420 EHLQANQHLANTIVELKEVKLSPDNGKRDY--CDHGEKLLFKEDRKVTCWLCSERQ 477
QY 119 LHEQHVIGIDAPDELQRELKQOLQALQDSERHTALQLKQLAETKSTK---SL 174
DB 478 EHRGHVLTVEVFECQEKLAULKRLKEEE---AEKLEADIREKTSWKYQVTE 533
QY 175 RTTGEAFERLRLRERQKAMLEELADYATLTIDIQKQVYSQOLRKVOE----- 227
DB 534 RQRIQTEPQQLSINNEQRELQRLBEEKKTLQKFAADELVQKQVRELISDVBC 593
QY 228 ----GAQILQRLAETDHTFLAGVASLSE--RLKGIHETNLTYDEPPTSKYQPLQY 280
DB 594 RSQWSTMEILDQ-----MSGIMKWSBEIWRUK---KPKWYSKKLTVFHAADLSR 639
QY 281 TWIKSLFODIHVP---AALTDPGTAHORLILSDCTIVAYGNLHPLODSPKRFDE 337
DB 640 NL--QMFEELTRVRCYWDVTLNSVNLNLTSLVSDQROVIVSPIMPPCYN----- 689
QY 338 VSLGSEAFSSGVHWEVVAEKTQWVIG-----LAHEAASRKSG-SIQIPSR 384
DB 690 YGVLSQYFSSGKHWEVDVSKTAMILGVCRYSRHHKVVVRCANQNLYTKRPLF 749
QY 385 GFCYVMHDGNOYSACTEPTW-----RLNVRDKLDKGVFLIDYDQGLIFPNADDM-SW 437
DB 750 GYVWVIGLQNKCKYGVFEBSLSDPEVLTLSMAVPPCRVGFVLDYENGIVSFNVTSHGSL 809
QY 438 LTFRE-KPFGKLCGYFSP 455
DB 810 IYFSKCCPSQPVYPFNP 828

RESULT 14
US-09-949-016-9625
; Sequence 9625, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ. ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ. ID NO 9625
; LENGTH: 870
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9625

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; SEQ ID NO 37
; LENGTH: 178
; TYPE: PRT
; ORGANISM: Xenopus laevis
US-09-486-147-37

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Best Local Similarity	46.2%;	Pred. No. 2,4e-29;		
Matches 80;	Conservative 28;	Mismatches 63;	Indels 2;	Gaps 2

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 :
 Db 3 MLIDPISAHPNLHSDGLTSVRIGE-NKLSPIDNPKAQSQCILLVGSGQFDPSSGRHWIIVE 61
 :
 QY 357 VAEKTOWYLGLHAESAARRKSIOLOPSRFGFYIVMHGNOVSACTEBWTLNAPDKLDKY 416
 :
 Db 62 VEDDTIAMVDGAASESNNKGKIKNLPKKGYAILWLNGNAVKAALESSEKSLISLSSHPRKI 121
 :
 QY 417 GVFLDYDQGLLIFFYNADMSWLTYFRREKFPKCLSYSPGQSHANGVOPLR 469
 :
 Db 122 GYYVYVEEGQGSFYFNADMIIITYFNATFEIKLYPIYS-FLHDGSKNVDPRL 173

Search completed: February 23, 2005, 09:48:18
Job time : 45 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 23, 2005, 09:43:45 ; Search time 133 Seconds

(without alignments)
1168.718 Million cell updates/sec

Title: US-09-927-091-1

Perfect score: 2504

Sequence: 1 MACSLKDELICISLISYOD.....GSHANGKVQPLRIWVRI 475

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1380268 seqs, 327241040 residues

Total number of hits satisfying chosen parameters: 1380268

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications AA.*

1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep.*
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18: /cgn2_6/ptodata/1/pubpaa/US11_NEW_PUB.pep.*
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20: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
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2	1312	52.4	304	9	US-09-927-091-2
3	613	24.5	500	9	US-09-731-872-466
4	613	24.5	500	10	US-09-876-997-466
5	583	23.3	580	9	US-09-925-301-943
6	550.5	22.0	485	14	US-10-276-372-2
7	550.5	22.0	485	16	US-10-473-576-1
8	541.5	21.6	485	15	US-10-094-748-2615
9	501	20.0	471	15	US-10-104-047-3482
10	500	20.0	468	15	US-10-104-047-3664
11	499.5	19.9	4675	15	US-10-093-463-74
12	492	19.6	465	14	US-10-024-298A-97
13	492	19.6	465	14	US-10-042-211A-97

14	492	19.6	465	15	US-10-617-217A-97	Sequence 97, Appl
15	489	19.5	465	14	US-10-024-298A-99	Sequence 99, Appl
16	489	19.5	465	14	US-10-042-211A-99	Sequence 99, Appl
17	489	19.5	465	15	US-10-617-217A-99	Sequence 99, Appl
18	489	19.5	465	16	US-10-788-792-158	Sequence 158, Appl
19	475.5	19.0	4691	15	US-10-093-463-72	Sequence 72, Appl
20	427.5	17.1	395	15	US-10-108-260A-4617	Sequence 4617, Ap
21	418	16.7	475	14	US-10-000-897-78	Sequence 78, Appl
22	418	16.7	475	15	US-10-094-749-2393	Sequence 2393, Ap
23	418	16.7	475	15	US-10-042-865-65	Sequence 65, Appl
24	418	16.7	475	16	US-10-818-168-78	Sequence 78, Appl
25	414.5	16.6	488	15	US-10-221-625-92	Sequence 82, Appl
26	413.5	16.5	488	16	US-10-755-889-560	Sequence 260, App
27	411	16.4	483	15	US-10-114-270-106	Sequence 106, Appl
28	409	16.3	579	15	US-10-042-865-6	Sequence 6, Appl
29	408	16.3	592	15	US-10-042-865-64	Sequence 64, Appl
30	407.5	16.3	474	15	US-10-104-047-3289	Sequence 3289, Ap
31	393	15.7	498	14	US-10-247-671-167	Sequence 167, App
32	388.5	15.5	194	9	US-09-764-868-1031	Sequence 1031, Ap
33	368.5	14.7	277	15	US-10-094-749-3098	Sequence 3098, Ap
34	364.5	14.6	413	11	US-09-978-360A-710	Sequence 710, App
35	364.5	14.6	413	14	US-10-319-763-198	Sequence 198, App
36	353.5	14.1	442	16	US-10-755-889-524	Sequence 524, App
37	343.5	13.7	183	9	US-09-864-761-3547	Sequence 3547, A
38	341	13.6	630	16	US-10-408-765A-640	Sequence 640, App
39	341	13.6	630	16	US-10-317-277A-168	Sequence 168, App
40	340.5	13.6	438	15	US-10-262-445-34	Sequence 34, Appl
41	339	13.5	584	9	US-09-910-174A-16	Sequence 16, Appl
42	339	13.5	584	9	US-09-935-868-12	Sequence 12, Appl
43	339	13.5	584	9	US-09-896-738-18	Sequence 18, Appl
44	339	13.5	584	14	US-10-041-319-17	Sequence 17, Appl
45	339	13.5	584	16	US-10-648-593-157	Sequence 157, App

ALIGNMENTS

RESULT 1
US-09-927-091-1
Sequence 1, Application US/09927091
Patent No. US20020119541A1
GENERAL INFORMATION:
APPLICANT: KILLARY, ANN
APPLICANT: LOTT, STEVE
APPLICANT: CHANDLER, DANN
TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
FILE REFERENCE: UTSC:651US
CURRENT APPLICATION NUMBER: US/09/927,091
CURRENT FILING DATE: 2001-08-09
PRIOR APPLICATION NUMBER: 60/227,560
PRIOR FILING DATE: 2000-08-23
PRIOR APPLICATION NUMBER: 60/225,033
PRIOR FILING DATE: 2000-08-10
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 475
TYPE: PRT
ORGANISM: Human
US-09-927-091-1

Query Match 100.0% Score 2504; DB 9; Length 475;
Best Local Similarity 100.0%; Pred. No. 5.9e-168;
Matches 475; Mismatches 0; Indels 0; Gaps 0;
Conservative 0;
QY 1 MACSLKDELICISLISYODPVSLGCEHYFCRCCTTEHWVROEAGGARDCEPCRRTPAP 60
DB 1 MACSLKDELICISLISYODPVSLGCEHYFCRCCTTEHWVROEAGGARDCEPCRRTPAP 60
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DB 61 ALAPSKLANIYERSSFPDLIILNARRARPCQAHDKKFLCTLDRAILCFCCBPALH 120

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QY 121 EOHQVGTGIDAFDELORELKQOLADQSERHEALQLKROLAETKSTKSLRTTIGE 180
Db 121 EOHQVGTGIDAFDELORELKQOLADQSERHEALQLKROLAETKSTKSLRTTIGE 180
QY 181 AFERLHRLRROKAMLEELADTARTLTDIEQVQVRSQOLKRVQGAQIIOERLAETD 240
Db 181 AFERLHRLRROKAMLEELADTARTLTDIEQVQVRSQOLKRVQGAQIIOERLAETD 240
QY 241 RHTELAGVASLSERLKGIHEHTNLTYEDPFTSKYTGLOQYTIKSLFQDIHPVPAALTTD 300
Db 241 RHTELAGVASLSERLKGIHEHTNLTYEDPFTSKYTGLOQYTIKSLFQDIHPVPAALTTD 300
QY 301 PGTGHQHLIISDDCTIYAGNLHPQPLQDSPKRPDVEVSVLGSSEAFSSGVHWYVVAEK 360
Db 301 PGTGHQHLIISDDCTIYAGNLHPQPLQDSPKRPDVEVSVLGSSEAFSSGVHWYVVAEK 360
QY 361 TOMVIGLAHEAASRKSGIOIQPSRGFCIWMHDGNOYSACTEPTWTLNVRDKLDKVGVL 420
Db 361 TOMVIGLAHEAASRKSGIOIQPSRGFCIWMHDGNOYSACTEPTWTLNVRDKLDKVGVL 420
QY 421 DYDQGLIFYNADMSWLYTFREKFPQKLSYFSPGQSHANGKNVOPLRINTVRI 475
Db 421 DYDQGLIFYNADMSWLYTFREKFPQKLSYFSPGQSHANGKNVOPLRINTVRI 475
QY 475 DYDQGLIFYNADMSWLYTFREKFPQKLSYFSPGQSHANGKNVOPLRINTVRI 475
Db 475 DYDQGLIFYNADMSWLYTFREKFPQKLSYFSPGQSHANGKNVOPLRINTVRI 475

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RESULT 2
US-09-927-091-2
; Sequence 2, Application US/09927091
; Patent No. US20020119541A1
; GENERAL INFORMATION:
; APPLICANT: KILLARY, ANN
; APPLICANT: IOTT, STEVE
; APPLICANT: CHANDLER, DAMN
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
; FILE REFERENCE: UTSC:65IUS
; CURRENT APPLICATION NUMBER: US/09/927,091
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/227,560
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/225,033
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 2
; LENGTH: 304
; TYPE: PRT
; ORGANISM: Human
US-09-927-091-2

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Query Match 52.4%; Score 1312; DB 9; Length 304;
Best Local Similarity 91.8%; Pred. No. 1,2e-94;
Matches 257; Conservative 2; Mismatches 5; Indels 16; Gaps 1;

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Db 1 MACSLKDELICISIIYODPVSLGCEHYFCRCITTEHWVROEAGARDCECRRTPAF 60
QY 61 ALAPSLKLANIYVERSSPPLDAIINARPAAPCOAHDKVKLFCITDRALLCFPCDEPALH 120
Db 61 ALAPSLKLANIYVERSSPPLDAIINARPAAPCOAHDKVKLFCITDRALLCFPCDEPALH 120
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Db 121 EOHQVGTGIDAFDELORELKQOLADQSERHEALQLKROLAETKSTKSLRTTIGE 180
QY 181 AFERLHRLRROKAMLEELADTARTLTDIEQVQVRSQOLKRVQGAQIIOERLAETD 240
Db 181 AFERLHRLRROKAMLEELADTARTLTDIEQVQVRSQOLKRVQGAQIIOERLAETD 240
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Db 241 RHTELAGVASLSERLKGIHEHTNLTYEDPFTSKYTGLOQYTIKSLFQDIHPVPAALTTD 300
QY 301 PGTGHQHLIISDDCTIYAGNLHPQPLQDSPKRPDVEVSVLGSSEAFSSGVHWYVVAEK 360
Db 301 PGTGHQHLIISDDCTIYAGNLHPQPLQDSPKRPDVEVSVLGSSEAFSSGVHWYVVAEK 360
QY 361 TOMVIGLAHEAASRKSGIOIQPSRGFCIWMHDGNOYSACTEPTWTLNVRDKLDKVGVL 420
Db 361 TOMVIGLAHEAASRKSGIOIQPSRGFCIWMHDGNOYSACTEPTWTLNVRDKLDKVGVL 420
QY 421 DYDQGLIFYNADMSWLYTFREKFPQKLSYFSPGQSHANGKNVOPLRINTVRI 475
Db 421 DYDQGLIFYNADMSWLYTFREKFPQKLSYFSPGQSHANGKNVOPLRINTVRI 475
QY 475 DYDQGLIFYNADMSWLYTFREKFPQKLSYFSPGQSHANGKNVOPLRINTVRI 475
Db 475 DYDQGLIFYNADMSWLYTFREKFPQKLSYFSPGQSHANGKNVOPLRINTVRI 475

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RESULT 3
US-09-731-872-466
; Sequence 466, Application US/09731872
; Patent No. US20020102604A1
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean Baptiste
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Bougueleret, Severin
; TITLE OF INVENTION: FULL-LENGTH HUMAN CDNA5 ENCODING POTENTIALLY SECRETED PROTEINS
; FILE REFERENCE: 78.US3.REG
; CURRENT APPLICATION NUMBER: US/09/731,872
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,629
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: US 60/187,470
; PRIOR FILING DATE: 2000-03-06
; NUMBER OF SEQ ID NOS: 482
; SOFTWARE: Patent.pm
; SEQ ID NO 466
; LENGTH: 500
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-731-872-466

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Query Match 24.5%; Score 613; DB 9; Length 500;
Best Local Similarity 31.6%; Pred. No. 1,de-39;
Matches 148; Conservative 83; Mismatches 222; Indels 16; Gaps 8;

QY 8 ELICISIIYODPVSLGCEHYFCRCITTEHWVROEAGARDCECRRTPAFBAPALAPSLK 67
Db 8 ELICISIIYODPVSLGCEHYFCRCITTEHWVROEAGARDCECRRTPAFBAPALAPSLK 67
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Db 38 ELHCPLCNMFRDPLMISGCHNFCACIOPFWLOAKE--TFPECKMLCQYNNCTPNVY 95
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QY 150 FLOISDAVHFMEELIAQOSQLETTIKELQTLRNMQKEALAAHKKELHLOQVSNWFLK 209
Db 150 FLOISDAVHFMEELIAQOSQLETTIKELQTLRNMQKEALAAHKKELHLOQVSNWFLK 209
QY 185 LHRILRROKAMLEELADTARTLTDIEQVQVRSQOLKRVQGAQIIOERLAETDRHTF 244
Db 185 LHRILRROKAMLEELADTARTLTDIEQVQVRSQOLKRVQGAQIIOERLAETDRHTF 244
QY 210 LHOFLSKERKDIILTEAREEGKALNEMELNLSQLOECCLAKOMLVSIAKTEQGSFPF 269
Db 210 LHOFLSKERKDIILTEAREEGKALNEMELNLSQLOECCLAKOMLVSIAKTEQGSFPF 269
QY 245 LAGVASLSERLKGIHEHTNLTYEDPFTSKYTGLOQYTIKSLFQDIHPVPAALTTD 301
Db 245 LAGVASLSERLKGIHEHTNLTYEDPFTSKYTGLOQYTIKSLFQDIHPVPAALTTD 301
QY 270 LKDIITLHSLBEGMKVLATRELISRLKLNIGQYKGPDIQYVWREMODTLCFGLSPLTDP 329
Db 270 LKDIITLHSLBEGMKVLATRELISRLKLNIGQYKGPDIQYVWREMODTLCFGLSPLTDP 329
QY 302 GTAHORLIISDDCTIYAGNLHPQPLQDSPKRPDVEVSVLGSSEAFSSGVHWYVVAEK 361
Db 302 GTAHORLIISDDCTIYAGNLHPQPLQDSPKRPDVEVSVLGSSEAFSSGVHWYVVAEK 361
QY 330 KTAHPMLVLVSKSQTSVWHMDI--KKIMPDPERFDSVANALSGRFTSGKRYEYVAKKT 388
Db 330 KTAHPMLVLVSKSQTSVWHMDI--KKIMPDPERFDSVANALSGRFTSGKRYEYVAKKT 388
QY 362 QWVIGLAHEAASRKSGIOIQPSRGFCIWMHDGNOYSACTEPTWTLNVRDKLDKVGVL 421
Db 362 QWVIGLAHEAASRKSGIOIQPSRGFCIWMHDGNOYSACTEPTWTLNVRDKLDKVGVL 421
QY 389 KWTGVVRSIIIRKSGCPLTPEQFWLRLRQOTLKALDLPFSFILTNNLDKXGIYLD 448
Db 389 KWTGVVRSIIIRKSGCPLTPEQFWLRLRQOTLKALDLPFSFILTNNLDKXGIYLD 448
QY 422 YDQGLIFYNADMSWLYTFREKFPQKLSYFSPGQSHANGKNVOPLRINTVRI 470
Db 422 YDQGLIFYNADMSWLYTFREKFPQKLSYFSPGQSHANGKNVOPLRINTVRI 470
QY 449 YEGGQSLFNAKTMTHTITFNSNTPFMEKLYPYFCPLDNGR-BNKBPRLH 496
Db 449 YEGGQSLFNAKTMTHTITFNSNTPFMEKLYPYFCPLDNGR-BNKBPRLH 496

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RESULT 4
US-09-876-997-466
; Sequence 466, Application US/09876997
; Patent No. US20030152921A1
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean Baptiste
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Bougueleret, Severin
; TITLE OF INVENTION: FULL-LENGTH HUMAN CDNA5 ENCODING POTENTIALLY SECRETED PROTEINS
; FILE REFERENCE: 78.US4.CIP
; CURRENT APPLICATION NUMBER: US/09/876,997

```

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; CURRENT FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/731,872
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/187,470
; PRIOR FILING DATE: 2000-03-06
; PRIOR APPLICATION NUMBER: US 60/169,629
; PRIOR FILING DATE: 1999-12-08
; NUMBER OF SEQ ID NOS: 482
; SOFTWARE: Patent.pm
; SEQ ID NO 466
; LENGTH: 500
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-876-997-466

Query Match      24.5%; Score 613; DB 10; Length 500;
Best Local Similarity 31.6%; Pred. No. 1,8e-39;
Matches 148; Conservative 83; Mismatches 222; Indels 16; Gaps 8;

QY      8 ELIICSLISLIDYODPVSLGCEHYFCRCITENHWVROEGARDCPCCRRTFAEPALAPSLK 67
DB      38 ELHCPICNDWFRDPLMLSCGNFCEACIODFWRLOAKE--TFCECKMLCQYNNCTFNV 95
QY      68 LANIVERYSFPLDALINARARPCOAH-DKYKLFCLTDRLALCFCEDEPALH--EQHQ 124
DB      96 LDKLVKIKKLPL-----LKGHPQCPHGENLKLFSKPDGKILCFQCKDARLSVGQSKE 149
QY      125 VVGIDDAFRELKQDLOALODSERHTEALQLKROLAETKSTKSLRTTGAEFER 184
DB      150 PLDISDAVHFMEELAIIOGQLETTLKELOTLNMOKEALIAHKENKMLIQOHVMEFLK 209
QY      185 LHLRLBERKAMELEADPTARTLTLDIOKVQRVSQOLKRVQSGAQLLOERLAETBRHP 244
DB      210 LHOFLHSKKEKDITLTEREGBKALNEMELNLSQLOQCLLAKMLVSIQAKTEQOQSFPD 269
QY      245 LAGVLSLSERLKG--KIHET-NLTVEDPRTSKYTGFLQYTIWKSLEFQDINHVPALATLP 301
DB      270 LMDITLHLSLEGKMLVLAETRELISKMLNGYKGIQYVWMEMDQLCPGLSPITLDP 329
QY      302 GTHAORLLISDDCTIYAAGNLHROPLODSPKRFVDSVLSGSAFSSGNYHVEVVAEKT 361
DB      330 KTAHPMLVLSKQTSVWHGDI--KKIMPDPERDSSVAVLGSRGFTSGKMYEVEVAKKT 388
QY      362 QWVIGLAHRAASRSGIOIOPSRGFYCIWHDGNOYSACTEPTRLNVBDKLDKGVFLD 421
DB      389 KMTVGVRSSILRKSGCPLPEQGFWLLRLRNOTDILKALDLPFSFLTLTNMLDKVGIYLD 448
QY      422 YDQGLLIIFYADMSWLYTFREKFPGLKCSYFSPQSHANGKVVOPRLI 470
DB      449 YEGGOLSFYNAKMTHTIYTFSTFMFKLYVFCPCANDGR--ENKEPRLHI 496

RESULT 5
US-09-925-301-943
; Sequence 943, Application US/09925301
; Patent No. US20020052308A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
; FILE REFERENCE: PA106
; CURRENT APPLICATION NUMBER: US/09/925,301
; PRIOR FILING DATE: 2001-08-10
; PRIOR APPLICATION NUMBER: PCT/US00/05882
; PRIOR FILING DATE: 2000-03-08
; PRIOR APPLICATION NUMBER: 60/124,270
; PRIOR FILING DATE: 1999-03-12
; NUMBER OF SEQ ID NOS: 1694
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 943
; LENGTH: 580
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:

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; NAME/KEY: SITE
; LOCATION: (52)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
; NAME/KEY: SITE
; LOCATION: (73)
; OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-301-943

Query Match      23.3%; Score 583; DB 9; Length 580;
Best Local Similarity 29.1%; Pred. No. 4,9e-37;
Matches 153; Conservative 89; Mismatches 178; Indels 106; Gaps 16;

QY      5 LKDELICSLISLIDYODPVSLGCEHYFCRCITENHWVROEGARDCPCCRRTFAEPALAP 64
DB      77 LQGETTCFVCLQYPAEPMWLDGCHNICCACLARCMTATVNS--CPQCRFTFPQRMKP 134
QY      65 SLKLANIVERYSFPLDALINARARPCOAH-DKYKLFCLTDRLALCFCEDEPALH--EQHQ 114
DB      135 NRHLANVTQ-----LVKQLRTERPSGPGGKGVCEKHEPRLKLYCEEDQMPICVVC 185
QY      115 DEPALHEQHYVGDIDDAFRELKQDLOALODSERHTEALQLKROLAETKSTKSLRTTGAEFER 166
DB      186 DRSREHGHSHVLPLEAVGCFEQTQONL-----DHLKRVKDKKRRRAQGBQARAE 237
QY      167 TRGSTKSLRTTGAEFERLHLRLRE--ROKAMLELE-----ADTA 205
DB      238 LLSLTQMEREKIWMFEEOYLHSLKEHYRLARLELDLAIYNSINGAITQFSCNISHLS 297
QY      206 RFLTDIOKVQRVSQOLKRVQSGAQLLOERLAETDR-----HTFLACV 248
DB      298 SLIAQLEEKQOQPTREL-----LQDIGDTLSRARIRIRIPBWITPPDQEKIHIFAQKC 351
QY      249 ASLSERLKKIHETNLTVEDPRTSKYTGFLQYTIWKSLEFQDINHVP--PALTLDPGTAA 305
DB      352 LFLTSLK-----OFTERQSDMEK--IQELREAOYSVDVTLDPDTAY 393
QY      306 ORLLISDDCTIYAAGNLHROPLODSPKRFVDSVLSGSAFSSGNYHVEVVAEKTQWYI 365
DB      394 PSLISLSDNRQRYSTLO--QDLPDNERFNLPCVLGSCFAGNHYHVEVGDAKMTI 452
QY      366 GLAHEAASRSGIOIOPSRGFYCIWHDGNOYSACTEPTRLNVBDKLDKGVFLDYDQG 425
DB      453 GVCBDSVCRKGGVTSAPQNGFWAVALMYGKEYWALTSPTALPLRLPRLQRVGIFLDYDAG 512
QY      426 LLIIFYADMSWLYTF-REKFPGLKCSYFSPQSHANGKVVOPRLI 470
DB      513 EVSFYNVTERCHTFTFSHATFCGPVRPYFS--LSYSGGSAAPRLI 556

RESULT 6
US-10-276-372-2
; Sequence 2, Application US/10276372
; Publication No. US20030186269A1
; GENERAL INFORMATION:
; APPLICANT: Cocude, Cecile
; APPLICANT: Bahr, Georges
; APPLICANT: Capron, Andre
; TITLE OF INVENTION: SSA-56 kDa Polypeptide and its Fragments and Polynucleotides
; FILE REFERENCE: 017753-171
; CURRENT APPLICATION NUMBER: US/10/276,372
; PRIOR FILING DATE: 2002-11-15
; PRIOR APPLICATION NUMBER: FR 00/06315
; PRIOR FILING DATE: 2000-05-17
; PRIOR APPLICATION NUMBER: PCT/FR 01/00725
; PRIOR FILING DATE: 2001-03-12
; NUMBER OF SEQ ID NOS: 29
; SOFTWARE: PaateSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 485
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-276-372-2

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```
Query Match      22.0%; Score 550.5; DB 14; Length 485;
Best Local Similarity 29.3%; Pred. No. 1,4e-34;
Matches 150; Conservative 94; Mismatches 181; Indels 87; Gaps 17;

QY 4 SLKDELLSICISLIDYDPVSLGCEHYFCRCRITTEHM-VROBAOG-ARDCEPCRTTAPBA 61
DB 9 AIVEBACPICMWTFLEPMSIDGHSFCHSCLSGIMEIPESQWNGYTCPLCAPVQPRN 68
QY 62 LAPSLKLANIVERYSFPLDALIINARAPPCQAH-DKYKLFCLTDRLALCFPCDEPALH 120
DB 69 LRPWQLANVVEKRLRLRHPGMGLK-GDLCEHGEKIKMFCKEDEVILMCEACSQSPRH 126
QY 121 EOHQVGTIDAFDELQRELKDQLOALODSREHTEALQILKQLAET-KSSTKSLRTTIG 179
DB 127 EASHVPMEDVAMEYKWEHLHEALHLK-KEQEBAMKLEVERKRTATWKIQVETRKOSIV 185
QY 180 EAFERHLRLREKQKAMLEBELADTARTLTDIEQVQYRSQQLR---KVQEGAQILQER 235
DB 186 WEFEKYQRLLEKKOPH-RQLGAEVAAALASIQREAAETWQKLELNHSELIQSQVLMRM 244
QY 236 LAETDRHTFLAGVASLSERLKGKIHETNLTYDEPFTSKYTGPLQYTIWKSLEFODI 290
DB 245 IAE-----LKEHSQRPVR-----W-MLODIOEVLN 268
QY 291 -----HPVPAAL-----TLDPGTAHQRLILSDCTIVAYG 320
DB 269 RSKWSLSIQPEPISLELTKDCRVLGLRELKTYAADVRLDPTATSRILVSEKRVHYG 328
QY 321 NLHPOPLDPSKRPDVENSVLGSFAFSSGVHWVEVVAEKTQWVIGLAHEAASRKSGSIQI 380
DB 329 DTN-QKLPDNPBERFYRYNIVLGSQCISGHRHWEVEGSRSEWGLGVCKQNVDRKEVVYL 387
QY 381 QPSRGFYCIWMHONGQYSACTEPWTRLNVRDKLDKGVFLDYGQGLITFYVADM-SWLY 439
DB 388 SPHYGFVWVIRLKGNEYRAGTDEYILSLPVRPRRGIVFYDEAHDISFYVNTDGSHTF 447
QY 440 TF-REKFRKLCYFSGSHANGKAVQPLRI 470
DB 448 TPRRYPPFRGLLPYFSPCY-S-IGTNNTAPLAI 478

RESULT 7
US-10-473-576-1
; Sequence 1 Application US/10473576
; Publication No. US20040101884A1
; GENERAL INFORMATION:
; APPLICANT: INCYTE CORPORATION
; APPLICANT: LU, DYUNG AINA M.
; APPLICANT: ARVIZU, CHANDRA S.
; APPLICANT: GANDHI, AMENA R.
; APPLICANT: HAFALIA, APRIL J.A.
; APPLICANT: DING, LI
; APPLICANT: LU, YAN
; APPLICANT: RAMKUMAR, JAYALAKMI
; APPLICANT: SWARNAKAR, ANITA
; APPLICANT: TANG, Y. TOM
; APPLICANT: YUE, HENRY
; APPLICANT: TRAN, BNO
; APPLICANT: LEE, SOO YUEN
; APPLICANT: WARREN, BRIDGET A.
; APPLICANT: NGUYEN, DANIEL B.
; APPLICANT: THANGAVELU, KAVITHA
; APPLICANT: YAO, MONIQUE G.
; APPLICANT: ELIJOTT, VICKI S.
; APPLICANT: BAUGHN, MARIAH R.
; APPLICANT: EMERLING, BROOKE M.
; APPLICANT: LAT, PREETI G.
; APPLICANT: GIERTZEN, KIMBERLY J.
; APPLICANT: BECHA, SHANYA D.
; APPLICANT: MARQUIS, JOSEPH P.
; APPLICANT: KABLE, AMY E.
; TITLE OF INVENTION: MOLECULES FOR DISEASE DETECTION AND TREATMENT
```

```
FILE REFERENCE: PF-0921 USN
; CURRENT APPLICATION NUMBER: US/10/473,576
; CURRENT FILING DATE: 2003-09-29
; PRIOR APPLICATION NUMBER: PCT/US02/09809
; PRIOR FILING DATE: 2002-03-29
; PRIOR APPLICATION NUMBER: US 60/280,387
; PRIOR FILING DATE: 2001-03-30
; PRIOR APPLICATION NUMBER: US 60/282,335
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: US 60/286,663
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: US 60/285,484
; PRIOR FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 60/350,702
; PRIOR FILING DATE: 2002-01-18
; PRIOR APPLICATION NUMBER: US 60/351,749
; PRIOR FILING DATE: 2002-01-25
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PERL Program
; SEQ ID NO 1
; LENGTH: 485
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No: 71230017CD1
US-10-473-576-1

Query Match      22.0%; Score 550.5; DB 16; Length 485;
Best Local Similarity 29.3%; Pred. No. 1,4e-34;
Matches 150; Conservative 94; Mismatches 181; Indels 87; Gaps 17;

QY 4 SLKDELLSICISLIDYDPVSLGCEHYFCRCRITTEHM-VROBAOG-ARDCEPCRTTAPBA 61
DB 9 AIVEBACPICMWTFLEPMSIDGHSFCHSCLSGIMEIPESQWNGYTCPLCAPVQPRN 68
QY 62 LAPSLKLANIVERYSFPLDALIINARAPPCQAH-DKYKLFCLTDRLALCFPCDEPALH 120
DB 69 LRPWQLANVVEKRLRLRHPGMGLK-GDLCEHGEKIKMFCKEDEVILMCEACSQSPRH 126
QY 121 EOHQVGTIDAFDELQRELKDQLOALODSREHTEALQILKQLAET-KSSTKSLRTTIG 179
DB 127 EASHVPMEDVAMEYKWEHLHEALHLK-KEQEBAMKLEVERKRTATWKIQVETRKOSIV 185
QY 180 EAFERHLRLREKQKAMLEBELADTARTLTDIEQVQYRSQQLR---KVQEGAQILQER 235
DB 186 WEFEKYQRLLEKKOPH-RQLGAEVAAALASIQREAAETWQKLELNHSELIQSQVLMRM 244
QY 236 LAETDRHTFLAGVASLSERLKGKIHETNLTYDEPFTSKYTGPLQYTIWKSLEFODI 290
DB 245 IAE-----LKEHSQRPVR-----W-MLODIOEVLN 268
QY 291 -----HPVPAAL-----TLDPGTAHQRLILSDCTIVAYG 320
DB 269 RSKWSLSIQPEPISLELTKDCRVLGLRELKTYAADVRLDPTATSRILVSEKRVHYG 328
QY 321 NLHPOPLDPSKRPDVENSVLGSFAFSSGVHWVEVVAEKTQWVIGLAHEAASRKSGSIQI 380
DB 329 DTN-QKLPDNPBERFYRYNIVLGSQCISGHRHWEVEGSRSEWGLGVCKQNVDRKEVVYL 387
QY 381 QPSRGFYCIWMHONGQYSACTEPWTRLNVRDKLDKGVFLDYGQGLITFYVADM-SWLY 439
DB 388 SPHYGFVWVIRLKGNEYRAGTDEYILSLPVRPRRGIVFYDEAHDISFYVNTDGSHTF 447
QY 440 TF-REKFRKLCYFSGSHANGKAVQPLRI 470
DB 448 TPRRYPPFRGLLPYFSPCY-S-IGTNNTAPLAI 478

RESULT 8
US-10-094-749-2615
; Sequence 2615 Application US/10094749
; Publication No. US20030219741A1
```

```
/ GENERAL INFORMATION:
/ APPLICANT: ISOGAI, TAKAO
/ APPLICANT: SUGIYAMA, TOMOYASU
/ APPLICANT: OTSUKI, TETSUJI
/ APPLICANT: WAKAMATSU, AI
/ APPLICANT: SATO, HIROYUKI
/ APPLICANT: ISHII, SHIZUKO
/ APPLICANT: YAMAMOTO, JUN-ICHI
/ APPLICANT: ISONO, YUUKO
/ APPLICANT: HIO, YURI
/ APPLICANT: OTSUDA, KAORU
/ APPLICANT: NAGAI, KEIICHI
/ APPLICANT: IRIE, RYOTARO
/ APPLICANT: TAMECHIKA, ICHIRO
/ APPLICANT: SEKI, NAOHICO
/ APPLICANT: YOSHIKAWA, TSUTOMU
/ APPLICANT: OTSUKA, MOTOTYUJI
/ APPLICANT: NAGAHARI, KENJI
/ APPLICANT: MASUHO, YASUHIKO
/ TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA
/ FILE REFERENCE: 08435/0160
/ CURRENT APPLICATION NUMBER: US/10/094,749
/ CURRENT FILING DATE: 2002-03-12
/ PRIOR APPLICATION NUMBER: 60/350,435
/ PRIOR FILING DATE: 2002-01-24
/ PRIOR APPLICATION NUMBER: JP 2001-328381
/ PRIOR FILING DATE: 2001-09-14
/ NUMBER OF SEQ ID NOS: 381
/ SOFTWARE: Patentin Ver. 2.1
/ SEQ ID NO 2615
/ LENGTH: 485
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-094-749-2615
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```
Query Match      21.6%; Score 541.5; DB 15; Length 485;
Best Local Similarity 28.5%; Pred. No. 7e-34;
Matches 148; Conservative 94; Mismatches 176; Indels 101; Gaps 17;
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QY 4 SIKDELICISLSTIYODPVSLGCEHYFCRCI-----TEHWROEAGARDCEPER 54
DB 9 AIVEEACPICTMTFLREPMSIDCGHSCLSGLREIPGESQNW-----GYTCPLCR 61
QY 55 RFFAEALALSLKLANIVRYSSFPDAILNARARPOAH-DKYKLCFLDRLALCF 113
DB 62 AIVQPRNLRPNMQLAVNEKVRLLRLHPRMGK--GDLCEHGEKLMFCXEDVLIMCEA 119
QY 114 CDEPALHEOHQYTGIDDAFDELQRELKDOALQDSEREHTEALQLKQLAET-KSTK 172
DB 120 CGQSPREHNSVVRPMEDVAMEYKMELEHLEHLK-KEQEEAMKLEBGEKRTATMKIQVE 178
QY 173 SLRTTIGAEFERLHLRLERQKAMELEADTARTLTIDIEQKVORYSQOLR---KVQEG 228
DB 179 TKQOSIVMEFEKRYORLEKKOPRH-RQLGAEVAALASLOREAAETMQKLELNHSELIOQ 237
QY 223 AAILQERLAETDRHTLAAGVASSERLKGKIHETNLTIEDPFSKTYGTGLQYTIWKSLLQ 288
DB 228 SGVLMRMIAE-----LKEKRSQRPVR-----W-MIQ 261
QY 289 DI-----HPVPAAL-----TLDPGTAHORLILSD 313
DB 262 DIQEVNLRKSSWSLOQPEPISLELTKDCVNLGARELITKYAADVRDPTATSLIVSD 321
QY 314 CTIVAYGNLHPQPLQDSPPKFDVEVSVLGSEAFSSGVHYVEVVAEKTQWIGLAHEAAS 373
DB 322 RKRHHVGGDTN-QKLPNPERRFYRNIVLGSQCISGRHYWEVEVGDRSEMGGLVCQOND 380
QY 374 RRGSIQIQSRGRCYCCVMDGNQYSACTEPMTRLNARDKDKGVGLVDYDQGLLRYNMD 433
DB 381 RKEVYVLSHYGFWVRLRKGNERYRAGTDEYPLLSLPVPRRGRGIVDYEAHDISFYNVT 440
QY 434 DM-SWLYTF-REFPGLKCSYFSPQSHANGKVQPLRI 470
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DB 441 DCGSHIFTEPRYPFPGRLLPYFSPCVS-IGTNNAPLAI 478
RESULT 9
US-10-104-047-3482
/ Sequence 3482, Application US/10104047
/ Publication No. US20030236392A1
/ GENERAL INFORMATION:
/ APPLICANT: HELIX RESEARCH INSTITUTE
/ TITLE OF INVENTION: NO. US20030236392A1el full length cDNA
/ FILE REFERENCE: H1-A0105
/ CURRENT APPLICATION NUMBER: US/10/104,047
/ CURRENT FILING DATE: 2002-03-25
/ PRIOR APPLICATION NUMBER:
/ PRIOR FILING DATE:
/ NUMBER OF SEQ ID NOS: 4096
/ SOFTWARE: Patentin Ver. 2.1
/ SEQ ID NO 3482
/ LENGTH: 471
/ TYPE: PRT
/ ORGANISM: Homo sapiens
/ US-10-104-047-3482
```

```
Query Match      20.0%; Score 501; DB 15; Length 471;
Best Local Similarity 29.4%; Pred. No. 1e-30;
Matches 143; Conservative 91; Mismatches 208; Indels 44; Gaps 14;
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QY 4 SIKDELICISLSTIYODPVSLGCEHYFCRCITTEHWROEAGARDCEPERFAEPALA 63
DB 9 NIQESSCPICTEYKLDPTVITNGHNFCSRCLSVS--KDLDTPECPVCRCFCPYKSR 66
QY 64 PSKLANIVRYSSFPDAILNARARP-----COAHDK-VKLCFLDRLALCFPCD 115
DB 67 RNPQLRNLTE-----IAKQLIRSKRKROKQENAMCEKHNQPLTLCVKDELICTQS 120
QY 116 BPALHEOHQYTGIDDAFDELQRELKDOALQDSEREHTEALQLKQLAETKSSYKSLR 175
DB 121 FSTKQKHYICIKKAASVHREILGSLPEPLNNIERVEKVIILQSKSVELKKYVEYR 180
QY 176 TTIGAEFERLHLRLERQKAMELEADTARTLTIDIEQKVORYSQOLRKYVQGAQILQER 235
DB 181 EEINSEFEQIRLFLNQEOMIILROJODEEMNLA-----KLNENLVELSDYVSTLKL 233
QY 236 LAETDRHTLAAGVASSERLKGKIHETNLTIEDPFSKTYGTGLQYTIWKSLLQ 289
DB 234 LREVEGKSVQSWLELTLQ-AKSMHKKYQVLKCPLEFSFLTYGFSLEPOYS--GLDRI 289
QY 290 IHPVPAALTLDPGTAHORLILSDCTIYAYGNLHPQPLQDSPPKFDVEVSVLGSEAFSSG 349
DB 290 IKRFGVDVILDTNTHPQLVSEDRKAVYERKKKNICVD-PRRFYVCPAVLGSQRFSSG 348
QY 350 VHYWEVVAEKTQWIGLAHEAASRGSIQIQPS--RGFYCIWMDGNQYSACTEPMTRL 407
DB 349 RHYWEVEVGNKRWILIGVQDCILR--NWQDQPSVLGFWGMAIGRWKSGYVAGPYTOL 406
QY 408 NWRDLKDKGVGLVDYDQGLLRYNMDDMGSLWTFPEKFPFKLCSYFSPQSHANGKVQ 467
DB 407 LPVVRPSKIGIFLDYELGDLSPYNNMDRSLITFTDNCFEAVVPYF-----YTGDS 460
QY 468 LRINTV 473
DB 461 LKICSV 466
RESULT 10
US-10-104-047-3664
/ Sequence 3664, Application US/10104047
/ Publication No. US20030236392A1
/ GENERAL INFORMATION:
/ APPLICANT: HELIX RESEARCH INSTITUTE
/ TITLE OF INVENTION: NO. US20030236392A1el full length cDNA
/ FILE REFERENCE: H1-A0105
/ CURRENT APPLICATION NUMBER: US/10/104,047
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/ CURRENT FILING DATE: 2002-03-25
 / PRIOR APPLICATION NUMBER:
 / PRIOR FILING DATE:
 / NUMBER OF SEQ ID NOS: 4096
 / SOFTWARE: Patent In Ver. 2.1
 / SEQ ID NO 3664
 / LENGTH: 468
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-10-104-047-3664

Query Match 20.0%; Score 500; DB 15; Length 468;
 Best Local Similarity 27.5%; Pred. No. 1.2e-30;
 Matches 133; Conservative 91; Mismatches 212; Indels 48; Gaps 11;

```

QY 4 SLKDELICSLTQYDQVSLGCEHYFCRCITTEHWYRQEAQARDCECRRTFAEPALA 63
DB 9 NLRELTCFLDLYFSSVTECHSFLVCLLRSM--EENHTPLSCPECWRTLEGPHFQ 66
QY 64 PSLKLANIVERYSFPDAILNARRARPCOAHDKVTLFCLTTRALLCFCDPEA----- 118
DB 67 SNERLGRU-----ASIRQLRQOVQSEDEQSYGRMPTTKAKASDDQGSAPV 116
QY 119 --LHEQOYVGDIDAFELQRELKQLOALQDSEREHTALQULKQLAETKSTKSLRT 176
DB 117 AQSHGARVHLSSAEHREKLOEITNLIRVRKEQAVALTHEKERVKLQGETTKCQ 176
QY 177 TICGAFERLRLREROKAMLELEADPTARTLDIEOKQVRSQQRKQOEAQIIQERL 236
DB 177 VVVEYWKMHQFLKEHQLOLQLEBQEKNNMKLNNEIKLQITRS-----LSKMI 229
QY 237 AEDRHTFLAGVASLSERLKGKHET-----NLTYEDFPTSKYTGPLQYTIWKSFLQ 288
DB 230 AQLESQSSQSAFSL--EEVAGALERSEPLLQCPKATTELSELICRTG-----ME 279
QY 289 DIHVPALTLDTGTAHQRLISDDCTIAYGMLHQPQDQPKPFDVSVLSEBAPSS 348
DB 280 MUKFETETLDPATNAYLVSEDLKSVYGGSR--QQLPDPNBERDQATVLTQIFTS 338
QY 349 GWHYEVVVAEKTQWVIGLAHEAASRKSGIOIQPSKFCIYVHNGNOVSA--CTEPMWRL 407
DB 339 GRHYWEVEVGNKTEWEGVICKDSVSRKGLPKPQGLFELIKLKGDDYSLWVSSPLKQ 398
QY 408 NVYBKLDKYGVFLDYQGLLIFYNADDMWLYTF--REKPGGLCSYFSPGQSHANGXVQ 466
DB 399 HVRREPKCKGVFLDIESGHIAFYNGTDESLIYSPQASFOEALRPIFSPCLPN--EGTWTD 457
QY 467 PLRI 470
DB 458 PLTI 461
  
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RESULT 11

/ Sequence 74, Application US/10093463
 / GENERAL INFORMATION:
 / US20030208039A1

/ APPLICANT: Padigaru, Muralidhara
 / APPLICANT: Shenoy, Suresh
 / APPLICANT: Kekuda, Ramesh
 / APPLICANT: Gusev, Vladimir
 / APPLICANT: Pochart, Pascal
 / APPLICANT: Zhong, Mei
 / APPLICANT: Raestelli, Luca
 / APPLICANT: Mezes, Peter
 / APPLICANT: Smithson, Glennda
 / APPLICANT: Guo, Xiaojia
 / APPLICANT: Gerlach, Valerie
 / APPLICANT: Caeman, Stacie
 / APPLICANT: Boldog, Ferenc
 / APPLICANT: Li, Li
 / APPLICANT: Zerkhusen, Bryan
 / APPLICANT: Tchernev, Velizar

/ APPLICANT: Gangoli, Esha
 / APPLICANT: Vernet, Corine
 / APPLICANT: Pena, Carol
 / APPLICANT: Burgess, Catherine
 / APPLICANT: Liu, Xiaohong
 / APPLICANT: Spytek, Kimberly
 / APPLICANT: Gorman, Linda
 / APPLICANT: Spaderma, Steven
 / APPLICANT: Voss, Edward
 / APPLICANT: Malyankar, Uriel
 / APPLICANT: Anderson, David
 / APPLICANT: Paturajan, Weera
 / APPLICANT: Miller, Charles
 / APPLICANT: Taupier, Raymond J. Jr.
 / TITLE OF INVENTION: No. US20030208039A1 Antibodies that Bind to Antigenic Polypepti
 / FILE REFERENCE: 21402-290A (Cura 590AT)
 / CURRENT APPLICATION NUMBER: US/10/093,463

/ PRIOR APPLICATION NUMBER: 60/283,675
 / PRIOR FILING DATE: 2001-04-14
 / PRIOR APPLICATION NUMBER: 60/338,092
 / PRIOR FILING DATE: 2001-12-03
 / PRIOR APPLICATION NUMBER: 60/274,281
 / PRIOR FILING DATE: 2001-03-08
 / PRIOR APPLICATION NUMBER: 60/274,101
 / PRIOR FILING DATE: 2001-03-08
 / PRIOR APPLICATION NUMBER: 60/325,681
 / PRIOR FILING DATE: 2001-09-27
 / PRIOR APPLICATION NUMBER: 60/304,354
 / PRIOR FILING DATE: 2001-07-10
 / PRIOR APPLICATION NUMBER: 60/279,995
 / PRIOR FILING DATE: 2001-03-30
 / PRIOR APPLICATION NUMBER: 60/294,899
 / PRIOR FILING DATE: 2001-05-31
 / PRIOR APPLICATION NUMBER: 60/287,424
 / PRIOR FILING DATE: 2001-04-30
 / PRIOR APPLICATION NUMBER: 60/299,027
 / PRIOR FILING DATE: 2001-06-18
 / PRIOR APPLICATION NUMBER: 60/309,198
 / PRIOR FILING DATE: 2001-07-31
 / PRIOR APPLICATION NUMBER: 60/281,194
 / PRIOR FILING DATE: 2001-04-04
 / PRIOR APPLICATION NUMBER: 60/274,194
 / PRIOR FILING DATE: 2001-03-08
 / PRIOR APPLICATION NUMBER: 60/274,849
 / PRIOR FILING DATE: 2001-03-09
 / PRIOR APPLICATION NUMBER: 60/330,380
 / PRIOR FILING DATE: 2001-10-18
 / PRIOR APPLICATION NUMBER: 60/275,235
 / PRIOR FILING DATE: 2001-03-12
 / PRIOR APPLICATION NUMBER: 60/288,342
 / PRIOR FILING DATE: 2001-05-03
 / PRIOR APPLICATION NUMBER: 60/275,578
 / PRIOR FILING DATE: 2001-03-13
 / NUMBER OF SEQ ID NOS: 370
 / SOFTWARE: Patent In Ver. 2.1
 / SEQ ID NO 74

/ LENGTH: 4675
 / TYPE: PRT
 / ORGANISM: Homo sapiens
 US-10-093-463-74

Query Match 19.9%; Score 499.5; DB 15; Length 4675;
 Best Local Similarity 27.2%; Pred. No. 3.1e-29;
 Matches 166; Conservative 68; Mismatches 187; Indels 189; Gaps 18;

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QY 1 MACSLKDELICSLTQYDQVSLGCEHYFCRCITTEHWYRQEAQARDCECRRTFAEP 60
DB 4076 LSTNLOBEATCALGDYTDPTDVMDCGHNCRREICRCKWQPF--GFYACPECEHSFQ 4133
QY 61 ALAPSLKLANIVERYSFPDAILNARRARPCOAHDKVTLFCLTTRALLCF 112
  
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Db      4134 NLRPNRPLAKMAEM-----ARLRHPPSPVPGVCPAHRREPLAACGDELLCA 4182
Qy      113 FDEBRPLHQOYTGIDDAFDELQRELBKQLOALQDSEEHTEALQILKQLAET---K 168
Db      4183 ACERSEHNAHVRPLQDAEDLKAKLEKSLHTL---RKOMQDALLFOADCECVLMQ 4238
Qy      169 SSTKSLRTTIGAFERHLRLRE-----ROKAMELEADTARTL----- 208
Db      4239 KMYESORQNVLCFEERLRLRLBEGTAAAEAGEEBELKOSAHLELRLERPLPAACG 4298
Qy      209 -----TDIEOKVQYRYSQOLRKVQEGAOILQERLAETDNH 242
Db      4299 AAAGSPWCGHLSLRPPGVGPPMCTPKRPEYDALACAMR-----QCGQVBEPTMQ 4352
Qy      243 TFLAGVASLSERLKGKIHETNLTYEDFPFSKYTGP---LQYITWK-----SLFQDTH 291
Db      4353 MWLGFAQGVTLPLPASGAQONI-----SPGTGSWFRLSFLFLFKGKCSQSAVALTRMVH 4405
Qy      292 -----PVPA----- 296
Db      4406 TVPKTKPPCGGCSPLPSPSPAPAPAGLVATTCTQMTPPGVGRPPQDITKDALRRVQDYK 4465
Qy      297 -----LTLDPGTAHQRLILSDCTIYAAGNLHPQP 326
Db      4466 LGPPEVPMELRTVCVPGVLTETLRFRGDVTILDPTANPELILSDRRSVQRGDLR-QA 4524
Qy      327 LODSPRRFVEVSVLGSEAFSSGVHYWEVVAEKTQWVIGLAHEAASRKSGSIQIOPSRGP 386
Db      4525 LPDSBERFDPGCVLQGERFTSGRHYWEVVGDRITSMALGVCENNRKKEKELSGNCF 4584
Qy      387 YCFVHNDGQYASCTEPMWRLNVRDLDKVGVFLVDYDGLLIFYNADMSWLYTFPE-KF 445
Db      4585 WLIVGL-GSYVNSSEBALPL--RDPKRVGLFLDYEAHLSFYSTDSGLFITPEITP 4641
Qy      446 PGKLCGYSP 455
Db      4642 SGTLRPLFSP 4651

```

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RESULT 12
US-10-024-298A-97
; Sequence 97, Application US/10024298A
; Publication No. US20030143540A1
; GENERAL INFORMATION:
; APPLICANT: ASAHIT KASEI KABUSHIKI KAISHA
; APPLICANT: AKIO MATSUDA
; APPLICANT: GOICHI HONDA
; APPLICANT: SHUJI MURAMATSU
; APPLICANT: YUKIKO NAGANO
; TITLE OF INVENTION: NF-K B Activating Gene
; FILE REFERENCE: 1254-0191P
; CURRENT APPLICATION NUMBER: US/10/024,298A
; PRIOR FILING DATE: 2003-04-08
; PRIOR APPLICATION NUMBER: 60/314,385
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: 60/278,641
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP254018/2001
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: JP0088912/2001
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 2001-03-26
; PRIOR FILING DATE: 2000-12-28
; PRIOR FILING DATE: 2000-12-28
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 97
; LENGTH: 465
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-024-298A-97

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```

Query Match      19.6%; Score 492; DB 14; Length 465;
Best Local Similarity 29.3%; Pred. No. 5,1e-30;
Matches 137; Conservative 80; Mismatches 206; Indels 44; Gaps 11;

Qy      5 LKDELCSICLSIYDPPVSLGCEHYFCRCRTTEHWROBAGARD---CPCRCRTFAEP 60
Db      10 MMEBATCSICLSIMTNPNVINCNGSYCHLCITDFPKNPSQKOLROBETFCPCRCRAPFHND 69
Qy      61 ALAPSLKLANIYERSSPPDLAILNARRAARCCQAH-DKVKLCFLTDAALCFPDEPAL 119
Db      70 SLRPNKQSLGLE-----ALKETDQMSCEHGEQFLFCSEDEGLICRGERAPQ 120
Qy      120 HEOHVTGIDDAFDELQRELBKQLOALQDSEEHTEALQILKQLAETSKSRTTIG 179
Db      121 HGGHTALVEDVCQGYEKLEQDAVTKLOBERCTEQKLSMTMTTKMEKQIQOKIR 180
Qy      180 EAFERLHRLREROKAMEELEADTARTLT---DIEOKVQYRYSQOLR-----KVDEG 228
Db      181 SDFKNLQCFLHEEKESYLWRLKEKEQOTLSRLDYEAAGLGLKSNELKSHILEEKKQGS 240
Qy      228 AQILQERLAETDRTHTFLAGVASLSERLKGKIHETNLTYEDFPFSKYTGPLOYTIKSLFQ 288
Db      241 AQKLIQNVNDT-----LSRSMAVKLETSEAVSLELHTMCNVSKLYEDVKKMLRS 289
Qy      289 DHPVPALTLDPGTAHQRLILSDCTIYAAGNLHPQLOD-SPKRPDVEVSLGSEAFS 347
Db      290 --HQV--SVTLDPDTAHEHLILSEBRQVTRG--YTQEQDSSSRFTAFPCVLGCEGFT 343
Qy      348 SGVHYWEVVAEKTQWVIGLAHEAASRKSGSIQIOPSRGFYCIWMDGQYASCTEPMWRL 407
Db      344 SGRARFVEVDSGCTGMDLGVCMENVRGTGMKQEPQSGFWTLRLCKKSGVALTSPPTSL 403
Qy      408 NVKDLKDKGVFLDYDGLLIFYNADMSWLYTF-REKFGKLCGYF 453
Db      404 HLHEQPLLVGIFLDYEAQVSPYNGNTGCHITFPKASPSDTLRBPY 450

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RESULT 13
US-10-042-211A-97
; Sequence 97, Application US/10042211A
; Publication No. US20030170719A1
; GENERAL INFORMATION:
; APPLICANT: MATSUDA, AKIO et al.
; TITLE OF INVENTION: NFkB Activating Gene
; FILE REFERENCE: 1254-0192P
; CURRENT APPLICATION NUMBER: US/10/042,211A
; PRIOR FILING DATE: 2002-01-11
; PRIOR APPLICATION NUMBER: JP 2000-402288
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: JP 2001-088912
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: JP 2001-254018
; PRIOR FILING DATE: 2001-08-24
; PRIOR APPLICATION NUMBER: US 60/258,315
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/278,640
; PRIOR FILING DATE: 2001-03-26
; PRIOR APPLICATION NUMBER: 2001-03-26
; PRIOR FILING DATE: 2000-12-28
; PRIOR FILING DATE: 2001-08-24
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 97
; LENGTH: 465
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-042-211A-97

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Query Match      19.6%; Score 492; DB 14; Length 465;
Best Local Similarity 29.3%; Pred. No. 5,1e-30;
Matches 137; Conservative 80; Mismatches 206; Indels 44; Gaps 11;

Qy      5 LKDELCSICLSIYDPPVSLGCEHYFCRCRTTEHWROBAGARD---CPCRCRTFAEP 60

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Db      10 MMEBATSICLSMTNPVSINCHSYCHLCTDFFKNPSQKQLRQETFCPCQCRAPFHM 69
Qy      61 ALAPSLKLANIVERSSPFLDALINARRAAPCOAH-DKYKLPCLTRALICFFCDEPAL 119
       70 SLRPNKQGLSLIE-----ALKETDQEMSCHEHGFHLFCDEBQGLICWRCEAPQ 120
Qy      120 HEHOVGTGIDDAFDELQRELKDQLOALQDSEHTEALQLKROLAETKSTKSLRTTIG 179
       121 HKGHTTALVEDVCQGYKEKLOEAVTKLKQLEDRCETOKLSTAMRITTKMEKVQIQOKIR 180
Qy      180 EAFERHLRLREROKAMLEELADTARTLT---DIEQVQVYQQQLR-----KYQEG 228
       181 SDFKLOCFLHEEKSYLMRLKEEQOQLSLRDLVYENGGLKSNELSHILLEEKQCGS 240
Qy      229 AQLIOERLAETDRHTFLAGVASLSERLKGKHETNLTYEDPPTSKYTGPIQYTIWKSIFQ 288
       241 AQLKLOVNDT-----LSRMAVLTSEAVSLIETHTMCNVSKLTFVKKMLRS 289
Qy      289 DHPVPAALTLDPGTARQLILSDCTTIVAYGNLHPQLQD-SPKRPDEVSVLGSSEAFS 347
       290 --HOV--SVTLDPDTAHEHLILSEDRQVTRG--YTQENDTSSRRFTAFPCVLGCEGFT 343
Db      348 SGVHWYEVVAEKTQWVIGLAHEAASRKSGIOIOPSGFYCIVMHDNQYASCTEPWTRL 407
       344 SGRRYFEVDVGEIGMDLVGCMENVQRTGKMQEPQSGFWTLRLCKKKGYVALTSPPTSL 403
Qy      408 NVBKLDRKGVFLDYDQGLLIFYNADMSWLYTF-REKFPGLKCSYF 453
       404 HLHEQPLVGIPLDYEAGVVSFYNGNTGCHIFTFPKASFSDTLRPF 450

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RESULT 14
US-10-617-217A-97
/ Sequence 97, Application US/10617217A
/ Publication No. US20040081986A1
/ GENERAL INFORMATION:
/ APPLICANT: MATSUDA, Akio et al.
/ TITLE OF INVENTION: NF-KB ACTIVATING GENE
/ FILE REFERENCE: 1254-0229P
/ CURRENT APPLICATION NUMBER: US/10/617,217A
/ PRIOR FILING DATE: 2003-07-11
/ PRIOR APPLICATION NUMBER: JP 2000-402288
/ PRIOR FILING DATE: 2000-12-28
/ PRIOR APPLICATION NUMBER: JP 2001-088912
/ PRIOR FILING DATE: 2001-03-26
/ PRIOR APPLICATION NUMBER: JP 2001-254018
/ PRIOR FILING DATE: 2001-08-24
/ PRIOR APPLICATION NUMBER: US 60/258,315
/ PRIOR FILING DATE: 2000-12-28
/ PRIOR APPLICATION NUMBER: US 60/278,640
/ PRIOR FILING DATE: 2001-03-26
/ PRIOR APPLICATION NUMBER: US 60/314,385
/ PRIOR FILING DATE: 2001-08-24
/ NUMBER OF SEQ ID NOS: 224
/ SOFTWARE: Patent In Ver. 2.0
/ SEQ ID NO 97
/ LENGTH: 465
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-617-217A-97

```

```

Query Match      19.6%; Score 492; DB 15; Length 465;
Best Local Similarity 29.3%; Pred. No. 5,1e-30;
Matches 137; Conservative 80; Mismatches 206; Indels 44; Gaps 11;

Qy      5 LKDELLCSICLSIYODPVSLGCEHYFCRCCTTEHWVRQEAQARD---CEPCRTFAEP 60
       10 MMEBATSICLSMTNPVSINCHSYCHLCTDFFKNPSQKQLRQETFCPCQCRAPFHM 69
Qy      61 ALAPSLKLANIVERSSPFLDALINARRAAPCOAH-DKYKLPCLTRALICFFCDEPAL 119
       70 SLRPNKQGLSLIE-----ALKETDQEMSCHEHGFHLFCDEBQGLICWRCEAPQ 120

```

```

Qy      120 HEHOVGTGIDDAFDELQRELKDQLOALQDSEHTEALQLKROLAETKSTKSLRTTIG 179
       121 HKGHTTALVEDVCQGYKEKLOEAVTKLKQLEDRCETOKLSTAMRITTKMEKVQIQOKIR 180
Qy      180 EAFERHLRLREROKAMLEELADTARTLT---DIEQVQVYQQQLR-----KYQEG 228
       181 SDFKLOCFLHEEKSYLMRLKEEQOQLSLRDLVYENGGLKSNELSHILLEEKQCGS 240
Qy      229 AQLIOERLAETDRHTFLAGVASLSERLKGKHETNLTYEDPPTSKYTGPIQYTIWKSIFQ 288
       241 AQLKLOVNDT-----LSRMAVLTSEAVSLIETHTMCNVSKLTFVKKMLRS 289
Qy      289 DHPVPAALTLDPGTARQLILSDCTTIVAYGNLHPQLQD-SPKRPDEVSVLGSSEAFS 347
       290 --HOV--SVTLDPDTAHEHLILSEDRQVTRG--YTQENDTSSRRFTAFPCVLGCEGFT 343
Db      348 SGVHWYEVVAEKTQWVIGLAHEAASRKSGIOIOPSGFYCIVMHDNQYASCTEPWTRL 407
       344 SGRRYFEVDVGEIGMDLVGCMENVQRTGKMQEPQSGFWTLRLCKKKGYVALTSPPTSL 403
Qy      408 NVBKLDRKGVFLDYDQGLLIFYNADMSWLYTF-REKFPGLKCSYF 453
       404 HLHEQPLVGIPLDYEAGVVSFYNGNTGCHIFTFPKASFSDTLRPF 450

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RESULT 15
US-10-024-298A-99
/ Sequence 99, Application US/10024298A
/ Publication No. US20030143540A1
/ GENERAL INFORMATION:
/ APPLICANT: ASAH KASEI KABUSHIKI KAISHA
/ APPLICANT: AKIO MATSUDA
/ APPLICANT: GOICHI HONDA
/ APPLICANT: SHUJI MURAMATSU
/ APPLICANT: YUKIKO NAGANO
/ TITLE OF INVENTION: NF-K B Activating Gene
/ FILE REFERENCE: 1254-0191P
/ CURRENT APPLICATION NUMBER: US/10/024,298A
/ PRIOR FILING DATE: 2003-04-08
/ PRIOR APPLICATION NUMBER: 60/314,385
/ PRIOR FILING DATE: 2001-08-24
/ PRIOR APPLICATION NUMBER: 60/278,641
/ PRIOR FILING DATE: 2001-03-26
/ PRIOR APPLICATION NUMBER: JP0088912/2001
/ PRIOR FILING DATE: 2000-12-28
/ PRIOR APPLICATION NUMBER: JP402288/2000
/ PRIOR FILING DATE: 2000-12-28
/ NUMBER OF SEQ ID NOS: 182
/ SOFTWARE: Patent In Ver. 2.0
/ SEQ ID NO 99
/ LENGTH: 465
/ TYPE: PRT
/ ORGANISM: Homo sapiens
US-10-024-298A-99

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```

Query Match      19.5%; Score 489; DB 14; Length 465;
Best Local Similarity 29.3%; Pred. No. 8.7e-30;
Matches 137; Conservative 79; Mismatches 207; Indels 44; Gaps 11;

Qy      5 LKDELLCSICLSIYODPVSLGCEHYFCRCCTTEHWVRQEAQARD---CEPCRTFAEP 60
       10 MMEBATSICLSMTNPVSINCHSYCHLCTDFFKNPSQKQLRQETFCPCQCRAPFHM 69
Qy      61 ALAPSLKLANIVERSSPFLDALINARRAAPCOAH-DKYKLPCLTRALICFFCDEPAL 119
       70 SLRPNKQGLSLIE-----ALKETDQEMSCHEHGFHLFCDEBQGLICWRCEAPQ 120
Qy      120 HEHOVGTGIDDAFDELQRELKDQLOALQDSEHTEALQLKROLAETKSTKSLRTTIG 179

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Db      121 HKGHTTALVEDVCOGYKEKLOKAVTKLOJEDRTEOKLSTAMRITKMKKYQIOROKIR 180
Qy      180 EAPERLHRLREROKAMLELEADTARTLT---DIEQVQRYSQOLR-----KVQEG 228
Db      181 SDPKNLOCFHBEBSKSYLWRLERKEOQTL SRLDYEAGLGKSNELKSHILBLEKCGGS 240
Qy      229 AQILOERLAETDRHTFLAGVASISERLKGKIHETNLTVEDPFTSKYTGPIQYTIWKSLPQ 288
Db      241 AQRLQNVNDT-----LSRMAVKLETSEAVSJELHTMCNVSKLYFDVKMILRS 289
Qy      289 DIHPVPALTLDPGTNAHQRLIISDDCTIYAGNLHPQIJD-SPKRFDVEVSVLGSEAFS 347
Db      290 --HOV--SYTLDPDTAHHELIILSEDRQYTRG--YTQENQDTSRRFTAFPCLGCEGFT 343
Qy      348 SGVHWYEVVAVAKTQKVICLAHEAASRKGSIQIQPSRGFYCIYMHGNOYSACTEPWRL 407
Db      344 SGRRYFEVDVGSGTGMDLGVCMENVQGTGMKQEPQSGFWTLRLCKKKGYALTSPPTSL 403
Qy      408 NVYDKLKDYGVPFLDYDQGLIIFYNADMSMLYTF-REKFPGLCSYF 453
Db      404 HJHEQPLVYGIFLDYEAGVVSFYNGTGGHIFTFPKASFSDTLRPYF 450

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Search completed: February 23, 2005, 09:59:10
 Job time : 136 secs

Result No.	Score	Query Match	Length	DB	ID	Description
1	136.4	3.6	17828	4	US-09-949-016-13754	Sequence 13754, A
2	132.4	3.5	2168	4	US-09-949-016-2012	Sequence 2012, A
3	132.4	3.5	3038	4	US-09-774-528-277	Sequence 277, App
4	105	2.8	3416	2	US-08-724-394A-15	Sequence 15, App
5	105.8	2.8	1854	4	US-09-799-451-948	Sequence 948, App
6	102.6	2.7	1704	4	US-09-949-016-5101	Sequence 5101, App
7	95.8	2.5	1782	4	US-09-220-132-158	Sequence 158, App
8	95.8	2.5	1799	4	US-09-949-016-1704	Sequence 1704, App
9	95.8	2.5	23781	4	US-09-949-016-13446	Sequence 13446, A
10	94	2.5	7218	1	US-08-232-463-14	Sequence 14, App
11	93.2	2.4	1456	4	US-09-949-016-1114	Sequence 1114, App
12	92	2.4	1436	4	US-09-949-016-3109	Sequence 3109, App
13	92	2.4	7873	4	US-09-949-016-12856	Sequence 12856, A
14	92	2.4	7873	4	US-09-949-016-14851	Sequence 14851, A
15	89.6	2.3	2889	4	US-09-774-528-396	Sequence 396, App
16	88.2	2.3	7295	4	US-09-949-016-16749	Sequence 16499, A
17	88	2.3	1488	4	US-09-949-016-4757	Sequence 4757, App
18	86.4	2.3	2926	2	US-08-724-394A-13	Sequence 13, App
19	86.4	2.3	2970	4	US-09-566-921-105	Sequence 105, App
20	86	2.2	1863	4	US-09-949-016-5334	Sequence 5334, App
21	86	2.2	1937	4	US-09-949-016-446	Sequence 446, App
22	82.8	2.2	3502	2	US-08-724-394A-16	Sequence 16, App
23	82.2	2.1	601	4	US-09-949-016-39832	Sequence 39832, A
24	82.2	2.1	601	4	US-09-949-016-112567	Sequence 112567, A
25	81.6	2.1	53526	3	US-08-658-136-2	Sequence 2, App
26	81.6	2.1	53577	3	US-08-658-136-1	Sequence 1, App
27	81.4	2.1	9562	4	US-09-949-016-17076	Sequence 17076, A

28	81.1	12790	4	US-09-949-016-12188	Sequence 12188, A	
29	80.4	2.1	15231	3	US-09-128-155-161	Sequence 16, Appl
30	76.8	2.0	1006	4	US-09-774-528-393	Sequence 393, App
31	76.8	2.0	1643	4	US-09-799-451-167	Sequence 167, App
32	76.2	2.0	1936	3	US-09-749-585A-4	Sequence 4, Appl
33	76.2	2.0	1931	2	US-09-130-114-2	Sequence 2, Appl
34	75.8	2.0	114793	4	US-10-148-806-3	Sequence 12334, A
35	75.6	2.0	91665	4	US-09-949-016-12234	Sequence 15, Appl
36	75.5	2.0	4897	6	5196516-7	Patent No. 5196516
37	75	2.0	4897	6	5196516-7	Patent No. 5196516
38	74.6	1.9	2714	4	US-09-949-016-5551	Sequence 5551, App
39	74.6	1.9	3470	4	US-09-486-147-2	Sequence 2, Appl
40	74.6	1.9	3511	4	US-09-949-016-37	Sequence 37, Appl
41	74.6	1.9	13193	4	US-09-949-016-17515	Sequence 17515, A
42	74.6	1.9	14079	4	US-09-949-016-11993	Sequence 11993, A
43	74.6	1.9	17743	4	US-09-949-016-17293	Sequence 17293, A
44	74.6	1.9	18585	4	US-09-949-016-11779	Sequence 11779, A
45	74.4	1.9	320	3	US-09-165-264-7	Sequence 7, Appl

```

RESULT 1
US-09-949-016-13754
; Sequence 13754, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIORITY FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FaBioSeq for Windows Version 4.0
; SEQ ID NO 13754
; LENGTH: 17828
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13754

Query Match 3.6%; Score 136.4; DB 4; Length 17828;
Best Local Similarity 54.9%; Pred. No. 6,8e-22;
Matches 269; Conservative 0; Mismatches 221; Indels 0; Gaps 0;

QY 1482 GCCAGCCGCCCTAACCTCTGAGACCGGGGACAAGCCACCAGCGCTGATCTCTGTGGACGA 1541
Db 14830 GCCAGCGGATGTGACCTCTGAGACCTCTGAGACAGCTCATCTTAACCTTACTCTGTGAGAGA 14889
QY 1542 CTGCACCAATTGGGTGGCTTACGGGAACCTTGACACCAAGCACTGAGAGCTCGCCAAAGCG 1601
Db 14890 TCGTAAAGACCGCAAGATTCTGTGGAGACAAAGACTCCGGGATTTCCCTTACACACCAAGCGG 14949
QY 1602 CTTTCAGTGTGAGAGGTGTGCGTGTGGGTTCTGAAAGCCTTCAGTAGTGGCGTCACTACTG 1661
Db 14950 TTTTCAACCTTCTACCTTGCGTGTCTGGCTACTGAGAGGATTTTCACTCAAGTGCACACTACTG 15009
QY 1662 GGAAGTGTGTGTGTGGCGGAGAAAGACCCAGTGGGTATATGGGCTGGCAACAAGACCGGAG 1721
Db 15010 GGAAGTGTGTGTGTGGCGGACCAAGACCCACTGGGCAGTGGATGTATGCGGAGACTCCGGAG 15069
QY 1722 CCGCAAGGGGACATATCCAGATTCAGGCCAGCGCGGCGCTTACTATGCATCTGTATGACGA 1781
Db 15070 CCGAAAGGGCGAGTTGATCTCCACTCTCTGAGACTGGCTACTAGCGGGGTGGGCTATGGAA 15129
QY 1782 TGGCAACCACTAAGCGGCTGTGACGGAAGCCTTGAGACGCGGCTTAACGTTCGGGACAAGCT 1841

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Db 1369 CCGGTAGGATATCTCTAGCATATGAGCGCGACACTGCTTCTTACATGTCACAGAC 1428
QY 1906 ATGTCTGGCTCTACACCTTCCGCGAGAAAGTTCCCTGGGACAGCTCTGCTTACTTCAGC 1965
Db 1429 CGCTTCATATCTACACCTTCACTGATCTTACTGAGAACTTGGCCCTCTTCTAC 1488
QY 1966 CCGGCG 1971
Db 1489 CCAAGC 1494

RESULT 4
US-08-724-394A-15
Sequence 15, Application US/08724394A
Patent No. 5872237
GENERAL INFORMATION:
APPLICANT: Feder, John N.
APPLICANT: Kronmal, Gregory S.
APPLICANT: Lauer, Peter M.
APPLICANT: Ruddy, David A.
APPLICANT: Thomas, Winston
APPLICANT: Teuchihaishi, Zenta
APPLICANT: Wolff, Roger K.
TITLE OF INVENTION: Megabase Transcript Map: No. 5872237e1
TITLE OF INVENTION: Sequences and Antibodies Thereo
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSEND and TOWNSEND and CREW LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: CA
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: IBM PC floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/724,394A
FILING DATE: 01-OCT-1996
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Fitch, Renee A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 017957-000100
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
LENGTH: 3416 base pairs
TYPE: nucleic acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: misc_feature
LOCATION: 1..3416
OTHER INFORMATION: /note= "cDNA 44"
US-08-724-394A-15

Query Match 2.8%; Score 106; DB 2; Length 3416;
Best Local Similarity 53.8%; Pred. No. 5.6e-15;
Matches 242; Conservative 0; Mismatches 205; Indels 3; Gaps 1;

QY 1482 GCCAGCGCCCTTACCTTGAGACCCGCGACAGCCCAAGCGCTTATCTCTGCGACGA 1541
Db 1373 GCGTGGAGTGATGATCTGATCCAAAACAGCAAAACCCCATCTCTGTTCTAGGA 1432
QY 1542 CTGCACCATGTGTGCTTACGGCAACTTGACCCAGAGCCACTGCAAGACTCGCCAAAGCG 1601

Db 1433 CCAGAGAGATGTGACGCTGCCAA---GGAGCCCCAGATCTGCCAGACCAACCTTGAGAG 1489
QY 1602 CTTGCATGTGAGAGTGTGGGTGCTGCTTCTGAAGCTTCAGATGAGGCTCCACTACAG 1661
Db 1490 ATTTAATGTGCATTATTGTGTTCTGGCTGTAGAGCTTCATATACGAGAGACATTACTG 1549
QY 1662 GGAGGTGTGTGTGGCGAGAAACCAGTGGGTGATCGGCTGTGACACAGAAACCCGCAAG 1721
Db 1550 GGAAGTGTGAGGTAGGAGACAGAAAGAGTGGCATATAGGGGTGTGACATGAATGTGCA 1609
QY 1722 CCGCAAGGGCAGATTCAGATCCAGCCGCGGCTTCTAATGATGTGATGACGA 1781
Db 1610 GAGAAAGGCTGGGTCAAAATGACACTGAGATGATCTGAGACTATGGGCTGACTGA 1669
QY 1782 TGCAACACGATACAGGCTGTGACGAGCCCTTGACGCGGCTTAAAGTCCGGAGCAAGCT 1841
Db 1670 TGGGAATTAAGTATCGGACTCTTACGAGCCGAGAACCACTTGAACTTCAAGCCCC 1729
QY 1842 TGACAAAGTGGGTGTCTTCTGGAATGACCAAGGCTTCTCATCTTCAATGCTGA 1901
Db 1730 TAAAGAAAGTGGGGTCTTCTGAGACTATGAGACTGGAATATCTCATTTCAATGCTGT 1789
QY 1902 TGACATGCTCTGCTCTTACACCTTCGCGCA 1931
Db 1790 GGATGATGCAATATTCATATCTTCTCTGGA 1819

RESULT 5
US-09-799-451-948
Sequence 948, Application US/09799451
Patent No. 6783969
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Zhou, Ping
APPLICANT: Goodrich, Ryle
APPLICANT: Asundi, Vinod
APPLICANT: Ren, Feiyan
APPLICANT: Zhang, Jie
APPLICANT: Xue, Aidong J.
APPLICANT: Zhao, Qing A.
APPLICANT: Wang, Jian-Rui
APPLICANT: Ma, Yungling
APPLICANT: Yamazaki, Victoria
APPLICANT: Chen, Rui-Hong
APPLICANT: Wang, Zhiwei
APPLICANT: Wang, Dunrui
APPLICANT: Yang, Yonghong
APPLICANT: Wehrman, Tom
APPLICANT: Ghosh, Reena
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: No. 6783969e1 Nucleic Acids and
TITLE OF INVENTION: Polypeptides
FILE REFERENCE: 803
CURRENT APPLICATION NUMBER: US/09/799,451
CURRENT FILING DATE: 2001-03-05
NUMBER OF SEQ ID NOS: 948
SOFTWARE: PC_FL_genes Version 2.0
SEQ ID NO 948
LENGTH: 1854
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (175) .. (1083)
US-09-799-451-948

Query Match 2.8%; Score 105.8; DB 4; Length 1854;
Best Local Similarity 47.6%; Pred. No. 4.7e-15;
Matches 444; Conservative 0; Mismatches 477; Indels 12; Gaps 4;

QY 1007 TGCAGAGGAGCTGAAGACCAACTTCAAGCCCTTCAAGACGCGGGAACACACCG 1066
Db 101 TGAAGAGGAATCTGAGAGACTGTGAGGTGTTCCGGTCCACGAGAAAGAGAGACGAG 160

Qy	1067	AAGCGCTGACGCTGCTCAAGCGACAACTGGCGGAGACMAAGTCTTCCACCAAGACCTTCG	1128
Db	161	ACCTCTGTAAACAGATGGCGACCGGAGGAGAAAGTGGGGGCGAGATTCCAGGCACTGA	220
Qy	1127	GGACCACTATGCGCGAGCGCTTCGAGCGCTGCACTCGGCTGCTGCTGAAACCCAGAAAG	1186
Db	221	GGGCTTTCCTGTGTGAGAGAGAGGGTGTGGCTGTAGGCGCGCTGGAGGAACTGTCCGGG	280
Qy	1187	CCATGCTAAGAGAGCTGGAAGCGGACACGCGCCGACACGCTGACCGAATCCAGCAAGAA	1246
Db	281	AGGTGGGCAAGAAACAAATAGAAACCTGGCCAGTCCGGGTTTAAATCAACCACTGT	340
Qy	1247	TCCAGCGCTACAGCCACACACTTCGCGAAGTCCAGAGGAGAACCCGAAATCTTCGAGAGAC	1306
Db	341	CCAAAGCTACAGAGCCCAATCCAGAGAAACAGCTCAAAAGCTGACCTTGACTTTCTCAG-	399
Qy	1307	GGCTGGCTGAACCCGACCGGACACCTTCTCTGAGCGGGGTGGCCCTCACTGTCCAGCGGC	1366
Db	400	GAATTCAAAAGACACGCTGAGCAGGTGTACCAATATGCTGCTGGCCCAAGCCAAACACATC	459
Qy	1367	TCAAGGAAATAATTCATGAGACCAACCTTCAATATGAAGACTTCCGACCTCCAAAGTACA	1426
Db	460	TCTTTGTAGA----TGAAGAAATAAGTCTGGAAATGTTTCTCTCAAGACTTTGTCTTAA	514
Qy	1427	CAGGCCCCCTGCAGTACACATCTGGAAGTCCCTGTTCCAGAGATACATCCAGTCCAG	1486
Db	515	AAGGAGATGCTGAAGAAAGTTCAAAAGAGACCTTCGGGAGAGCTGGAGAAAGAGAAAGAA	574
Qy	1487	CCCCCTAACCCCTGAGACCCGGGACACGCCACAGCCCTGATCTGTGCGAGCGACTGCA	1546
Db	575	TGAGACTCACTTGTGATCCCAACAGGCGCAACCGGCGCTCATCTCTCTGTGAACTTAA	634
Qy	1547	CCATTGTGCTTACGCGCAACTTGCACCCAGACGCACTGCAAGACTGCGCCAAAGCGTTTCG	1606
Db	635	AAGGCGCTGTGCTCGGCGCA----GCGGGCCAGAGACTGCGCCAAACACCCCTGCGGTTTCG	691
Qy	1607	ATGTGAGAGTGTGCGTGTGCGGTTCTGAAGCTTCACTAAGTGGCGTCTCACTACTGGAGAG	1666
Db	692	AACCAACAACCCGCGCTCTCTGCGCTGCTGCGGCTTCTCTGCGGCGGACTCACTGGAGAG	751
Qy	1667	TGATGTGTGGCGGAGAAAGACCCAGTGGGTGATTCGGGCTGGCAACGAAAGCCGAAAGCGCA	1726
Db	752	TGGAAGTGTGGCTTAAAGAGACGGCTGGGACTTTTGGCGTGGCCGCAAGCGTGGCCGAA	811
Qy	1727	AAGGAGAGATCAAGATCCAGTCCAGCCGCGCTTCTACTAGCATTCGATGACAGATGGCA	1786
Db	812	AAGGCTGTAGCCCTTCACTCCGAGGAGGGCGT---CTGGGCGCTTGAAGCTCAAGCGCGC	868
Qy	1787	ACCAATACAGAGCGCTGACGAGAGCCCTGACACGCGGTTTAAAGTCCGAGGAAAGCTTGA	1846
Db	869	GCAGTACTGTGGCCGTGTAACAGCGCCGAGAGCGTGTGCGCCCTCAGCTGCGGAGCACTGTGCG	928
Qy	1847	AGGTGGGTCTTCTGTGACTTATGACCAAGGCTTGTCTATCTTTCACAAATGCTGATACA	1906
Db	929	GCGTGGCGGTGGCGCTGTGACCTGGAAGTGGAGCCGTGTCTTTCACCTGTGAGGAGCA	988
Qy	1907	TGTTCTGGCTCTACACCTTCCGAGAGAAATTTCC	1939
Db	989	TGGCGCACTCTACACTTTCGGGTCAACTTCC	1021

```

: PRIOR APPLICATION NUMBER: 60/241,755
: PRIOR FILING DATE: 2000-10-20
: PRIOR APPLICATION NUMBER: 60/237,768
: PRIOR FILING DATE: 2000-10-03
: PRIOR APPLICATION NUMBER: 60/231,498
: PRIOR FILING DATE: 2000-09-08
: NUMBER OF SEQ ID NOS: 207012
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 5101
: LENGTH: 1704
: TYPE: DNA
: ORGANISM: Human
US-09-949-016-5101

Query Match      2.7%; Score 102.6; DB 4; Length 1704;
Best Local Similarity 43.9%; Pred. No. 2,6e-14;
Matches 649; Conservative 0; Mismatches 804; Indels 24; Gaps 4

QY 503 CTCGTCCTCCCGCCCAAGCCCTCGAGTCGCTCCGACAGGGCGCGCTCTCAGCCGC 562
Db 23 CTCGGCCAGGTGCACTAGGGCGCTGTGCGGGCCCCCTTCCCGCAGTCTCTCAAGCCGG 82
QY 563 CCCCTGCGCCCTCGGGGCCCCCTCTCTGCTGCTGCTGCGCCATGCGCCATGCGCTCAAG 622
Db 83 AACCTGCGCTGTGTCTTCCCAAGGACCCATGAGAGGCTGTGGAACTCCGCAAAAATCGACAG 142
QY 623 ACGAGCTGCTGTGCTCATCTGCTCAGCATCTTACACAGAACCCGGTAGCCTGGGCTGCG 682
Db 143 AGGAAGCTAAGTGTCTCATCTGTGTGATTAATTACACAGACCTGTGTGAACAACCTGTG 202
QY 683 AGCACTACTTTCGCGCGCCGCTGATACGAGCACTGGATGCGGACGAGAGCGCAGGGCG 742
Db 203 GCCACAACTTTCGCGCAGCTCCTCATTCAGCTGAGCTGGAAAGCGAGGGCGCAAGAG 262
QY 743 CCGCGCACTGCCCCGAGTCCGCGCAGAGTTGCGCGAGCCC-----GCGTGGCGCCA 796
Db 263 GGAGCGGAAAGGAAAGGGCTCTCTTCCCTGCGCCGAGTGAAGAGATGTCCCGCAGA 322
QY 797 GCCTCAAGCTGGCCAAACATCGTGAGCGCTTCAAGCTCTTCCGCTGAGCGCCATCCTCA 856
Db 323 GGAACTGTGTGCCCAACCGGCTGTGACCAAGTGTGCGAAGATGGCGCAGCAGATCTTG 382
QY 857 ACGCGCGCGCGCCGCGCGAGACCTGTGACAGGGCGACGACAAAGTTCAGCTTCTTGCTCA 916
Db 383 GTCTGCAAGAAAGAACTGTGTCAGAGGACCAACGAGCCCTTCAAGCTTCTTGCCAGA 442
QY 917 CGGACCGCGCGCTTCTTGCTTCTTCTGACAGAGCTGTGACTGCAAGAGCAGATCAGG 976
Db 443 AGGACCAAGGCCCATCTGTGTGTGTGCAAGGAGTCCGAGAGCACCGGCTTGCACAGGG 502
QY 977 TCACCGGATGAGCAGAGCCCTTGCAGAGCTGCAAGAGGAGCTGAAAGACCAACTTCAG 1036
Db 503 TGCTGCCCGCGAAGAGAGCAGTGCAGGGAGTCAAAATTGAAGCTGGAGGAGGACATGAGT 562
QY 1037 CCTTCAAGACAGCGACGGGAAACAACCGAACGCTGTGAGCTGTCAAGCACAACATCG 1096
Db 563 ACTTTCGGAGACAGATCAACAGGACAGGGATGTGAGGCCAGGAGAGGACAGACTTAG 622
QY 1097 CGAGACCAAGCTTTCACCAACCAAGAGCTTGGACCACTATTCGCGAGGCTTTCAGCGGC 1156
Db 623 CCGAGTGGCAGGGCGAAGTGTAAAGACCGAGAGAAACGCAATTGTGTGTGAAGTTTGAAGA 682
QY 1157 TGACCGGCTGTGCTGTGAACGCAAGAGGCAATGCTAAGAGAGTGTGAAGCGGACACGG 1216
Db 683 TGAACCTCTACTGTGTGTGAAGAAAGACAGAGGCTCTTCAAGCTTGTGAAGCGAAGAG 742
QY 1217 CCGGCAACGCTGACCACTGAGCAGAAAGTCAAGCGCTACAGCCAGCAGCAGCTTGGCAAG 1276
Db 743 AGGAGCTGCACAGCAAGCTCCGAGAGAGGTGTGCTGCTGACCGGAGGCTACCTTC 802
QY 1277 TCCAGAGAGGAGCCCAAGATCTGTGAGAGCGGCTGTGAACCGACCTGGCACCTTCC 1336
Db 803 TGAAGCTGTGCTGTGCTGAGCTGTGAAGAGCGGAGACACAGAGGCGCTCTTCCAGATGTGTC 862

```

Query Match	2.5%	Score 95.8;	DB 4;	Length 1782;
Best Local Similarity	52.6%	Pred. No. 1,1e-12;		
Matches 233; Conservative	0;	Mismatches 207;	Indels 3;	Gaps 1

	Query Match	Similarity	2.5% 52.6%	Score 95.8	DB 4	Length 1799
	Best Local	Conservative	0	Pred. No. 1,1e-12	Matches 233	Indels 3
						Gaps 1
Qy	1484	CAGCCGCCCTTAACCCCTGGA	CCCCGGGCACAGCCCA	CAGCGCTGATCCTTGCGACACT	1543	
Db	1195	CAGTGGACGTGACTCTTGGA	CCCGACACAGCGCTTAC	CCCCAGCTGATCTCTCTGATATATC	1254	
Qy	1544	GCACCATTTGGCTTACGGCA	ACTTGCACCCACAGCCACT	GTGACGAGACTCGCCAAAGCGCT	1603	
Db	1255	TGCGGCAAGTGGGTACAGT	TAC---CTCCAAACAGAGCT	GTGCTGACCAACCCCGAGAGGT	1311	
Qy	1604	TGCATGTGGAGGTTCGGT	GTCTGTCTGAAGCTTC	CAGTAAGTGGCGTCCACTACTACGG	1663	
Db	1312	TCAATCTGTTTCCCTGTGT	CTTTGGGCTCTCATGCTT	CATTCATGCGCGGAGACATTATTTGGG	1371	

QY 1664 AGGTGGTGGTGGCGGAGAAAGACCCATGGTGGTATTCGGGCTGGCACAAGAGCCGAAGCC 1723
 |||||
 Db 1372 AGGTAGAGGTGGGAGATTAAGCCAAAGTGAACCAATAGGTGTCTGTGAAGA CTCAGTGTGCA 1431
 |||||
 QY 1724 GCAAGGCGACGATCCAGATCCAGCCCGCGCGCTTCTAATCTGATCGATGAGCAAGATG 1783
 |||||
 Db 1432 GAAAAGGTGAGTAACTCAGCCGCCCGAAGATGATTTCTGGCAGCTGTCTTTGTGGATG 1491
 |||||
 QY 1784 GCAACCGATACAGGCGCTGCACGGAGCCCTGGACGCGGCTTAAAGTCCGGGCAAGCTTG 1843
 |||||
 Db 1492 GGAAAGATATTGGGCTCTTAACCTCCCAATGATGCCCCCTAACCCCTCGCGGACCCGCTCC 1551
 |||||
 QY 1844 ACAAGGTGGTGTCTTCTCGAATATGACCAAGGCTTGTCTCATCTTTCAATATGTGATG 1903
 |||||
 Db 1552 AGGGGGTGGGGAATTTCTTGGAATTAGATGTGTGAGGTCTTCCTTTCAACAAGTGAAG 1611
 |||||
 QY 1904 ACAATGTCCTGGCTCTACACTTC 1926
 |||||
 Db 1612 AGAGGTGTACACACTTTCACCTTC 1634
 |||||

```

RESULT 9
US-09-949-016-13446
; Sequence 13446, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13446
; LENGTH: 23781
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(23781)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-13446

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Query Match	2.5%: Score 95.8; DB 4; Length 23781;
Best Local Similarity	52.6%; Pident. No. 3.7e-12;
Matches 233; Conservative	0; Mismatches 207; Indels 3; Gaps 1;
QY 1484 CAGCGCCCTTAACCCCTTGAGACCCGGGCAACAGCCACAGCGCGCTGATCTCGTGGAGCACT	1543
Db 21177 CAGTGGACGTGACTCTGSAACCCAGACACAGGCTGACCCCAAGCTGATCTCTTGATATC	2123
QY 1544 GCACCAATGTGGCTTAAGCGCACTTGACCCACAGCACTGCAAGACTCGCCAAAGCGCT	1603
Db 21237 TGGCGCAAGTGGCGTTACAGTTAC---CTCCAAACAGGACCTGGCTGACAAACCCGAGAGGT	2129
QY 1604 TCGATGTGAGAGGTGTCGGTCTGGGTCTGAAAGCTTCACTAGTCAGCGCTCCACATACGGG	1663
Db 21294 TCAATCTGTTCCCTGTGTCTTGGGCTCTCAATGCTTCAATCGCGGAGACATTAATTTGGG	2135
QY 1664 AGGTGGGTGGGGGGAGAAACCCATGTGGGTGATCGGGCTGGGCAACGAAGCCGCAAGCC	1723
Db 21354 AGGTAAAGTGGGAGATTAAGCCAAAGTGAACCAATAGGTGTGTGAAAGACTCAGTGGCA	2141
QY 1724 GCAGGAGCAGCATCCAGATCCAGCCAGCGCGGCTTCACTGATCGATTCACAGATG	1783

Accession	Sequence	Position
Db	21414 GAAAGGTGAGTAACTCAGACCCCCCAAGATGATTTCTGGGCAGTGCTTTGTGATATG	21473
Qy	1784 GCAACCACTACAGCGCGCTGCACGAGCCCTGACCGCGGCTTAAACGTCCGGACAAGCTTG	1843
Db	21474 GGAAGAATATTGGGCTCTTACTCTCCCAATGATGCTCCCTACCCCTGGGGACCCGCTCC	21533
Qy	1844 ACAAGGTGGGTGCTTCTTCCTGAGCTATGACCAAGGCTTGTCATCTTTCTTCAATGTGCTATG	1903
Db	21534 AGCGGGTGGGATTTTCTTGGACTAGATGCTGTGAGGTCTTCCTTCAACACGTGACAG	21593
Qy	1904 ACATGTCGTGCTCTACACCTTC	1926
Db	21594 AGAGGTCTACACCTTCACTTTC	21616

US-08-232-463-14
 RESULT 10
 ; Sequence 14, Application US/08332463
 ; Patent No. 5670367
 ; GENERAL INFORMATION:
 ; APPLICANT: DORNER, F.
 ; APPLICANT: SCHEIFLINGER, F.
 ; APPLICANT: FALKNER, F. G.
 ; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS
 ; NUMBER OF SEQUENCES: 52
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Foley & Lardner
 ; STREET: 1800 Diagonal Road, Suite 500
 ; CITY: Alexandria
 ; STATE: VA
 ; COUNTRY: USA
 ; ZIP: 22313-0299
 ; COMPUTER TYPEABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/232,463
 ; Filing Date:

```

1 CLASSIFICATION: 435
2 PRIOR APPLICATION DATA:
3 APPLICATION NUMBER: US/07/935,313
4 FILING DATE:
5 APPLICATION NUMBER: EP 91 114 300.6
6 FILING DATE: 26-AUG-1991
7 ATTORNEY/AGENT INFORMATION:
8 NAME: BENT, Stephen A.
9 REGISTRATION NUMBER: 29, 768
10 REFERENCE/DOCKET NUMBER: 30472/114
11 TELECOMMUNICATION INFORMATION:
12 TELEPHONE: (703)836-9300
13 TELEFAX: (703)683-4109
14 TELEX: 899149
15 INFORMATION FOR SEQ ID NO: 14:
16 SEQUENCE CHARACTERISTICS:
17 LENGTH: 7218 base pairs
18 TYPE: nucleic acid
19 STRANDEDNESS: single
20 TOPOLOGY: linear
21 IMMEDIATE SOURCE:
22 CLONE: pTZgpc-Fls
23 US-08-232-463-14

```

Query Match	2.5%	Score 94	DB 1	Length 7218
Best Local Similarity	2.6%	Ped. No. 5.7e-12		
Matches	10	Conservative 257	Mismatches 117	Indels 0
			Gaps	0

Qy	213	GGGATTTTGACCCCTTAAAGGAGCTCCACCCGGCTCCGGAGTCCCTTCTCCAGACTCTTA	272
	1056	GAGCTTGCGAATTT	1115
Db	273	TCCCTTAGACTGCCCGCCCTTGAAGACCTCCCGCTCAGATTCCTGCTCCTCAGCGCGC	332

Db 1116 yy 1175
Qy 333 TCACAGCCTCCCTCCAGCCCATGCGCTTGAGCTCCACCTACCTCTAGACTGCCCTCC 392
Db 1176 yy 1235
Qy 393 CGAGCTGGCGTCCAGAGCTCAGCGCGGACCCCTTCGCTGAGCTTACCTCTCCG 452
Db 1236 yy 1295
Qy 453 GAAGACACCCCTCCCTCTCCGAGCTCAGCCCTGAGCTACCCCTGCTGCGAGCTGCTCCG 512
Db 1296 yy 1355
Qy 513 CGCCAGCCCTCGCTGCTGCTCCGACAGCGCGGCTCTCTACGCCGCCCTCCGCCC 572
Db 1356 yy 1415
Qy 573 TCGGGCCCTCTGCTGCTGCTCC 596
Db 1416 yyyyyyyyyyyyyyyyyyygTACC 1439

RESULT 11
US-09-949-016-1114
Sequence 1114, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 1114
LENGTH: 1496
TYPE: DNA
ORGANISM: Human
US-09-949-016-1114

Query Match 2.4%; Score 93.2; DB 4; Length 1496;
Best Local Similarity 50.2%; Pred. No. 4.3e-12;
Matches 258; Conservative 0; Mismatches 253; Indels 3; Gaps 1;
Qy 1481 TCCAGCCGCCCTTAACCTCTGACCCGAGGACAGCCGCTGATCTGTCCGAGG 1540
Db 577 TCCAGTGAATGATCTTGATGATGCGACAGCCAACTCTCTCATTTCTGAGG 636
Qy 1541 ACTGACCAATTGGCTTACGCACTTGACCCAGCACTGACGAGACTGCCAAAGC 1600
Db 637 ACCTCAGAGAGCTCCAGAGGGGTGCAT--CACACAGAAATCGGCAAGACTTGCAGAG 693
Qy 1601 GCTTGATGTGAGAGTGTGCGGTCTGAACTTCACTAGTATGCGTCCACTACT 1660
Db 694 GATTTACAGTCTCATTTGATCTTGGCTCCCTGCTTACCTGTGGCCGCACTACT 753
Qy 1661 GGGAGGTGAGTGTGCGGAGAGAACCAAGTGGTGAATCGGAGTGGACAGAACGCGCAA 1720
Db 754 GGGAGGTGAGTGTGCGGAGAGAACCAAGTGGTGAATCGGAGTGGACAGAACGCGCAA 1780
Qy 1721 GCGGCAAGGAGCAATTCAGATTCAGCCCAAGCGGCGCTTCTAATGATGATGATGACG 1780
Db 814 ACCGCAAGGAGAGATTCATCTGACCAAGAGCGTGAATCTGACTGATGATTTGAGGG 873

Qy 1781 ATGCAACCAAGTACAGCGCTGACAGAGCCCTGAGCGGCTTAACGTCCGAGCAAGC 1840
Db 874 ATGAAAGCGGCTCTCTGACAGACAGTGGCGCTGACTTCTCTTGGTAAACCGCAAGT 933
Qy 1841 TTGACAGTGGGTGTCTTCTGAGCTATGACCAAGCTTGTCTATCTTCAATGCTG 1900
Db 934 TACAGAGTGGGATTTTCTGAGATATGGGATGACAGACCTTCTTTTGTGATGCTG 993
Qy 1901 ATGACATGCTGGCTTACACCTTCCGAGAGAGTTCCTGGCAAGCTGCTCTTACT 1960
Db 994 AAGGTGTTCCATGCTATATATTCAGAGTGTCTGCTGAGAGCCACTGCACTGT 1053
Qy 1961 TCAGCCCTGGCCAGACCAAGCAATGCGAAGAA 1994
Db 1054 TTTTGTCTCTCCAAAGTCCACTAATGATGATA 1087

RESULT 12
US-09-949-016-3109
Sequence 3109, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 3109
LENGTH: 1496
TYPE: DNA
ORGANISM: Human
US-09-949-016-3109

Query Match 2.4%; Score 92; DB 4; Length 1496;
Best Local Similarity 50.4%; Pred. No. 8.3e-12;
Matches 252; Conservative 0; Mismatches 245; Indels 3; Gaps 1;
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Qy 1555 GCTTACGCAATTTGACCCCAAGCACTGACGAGACTGCCAAAGCGCTTGATGAG 1614
Db 651 CGAAGTGGGTGCAT--CACACAGAAATCGGCAAGACTTGCAGAGATTTACGTGTC 707
Qy 1615 GTGTGCTGCTGAGTCTGAACTTCACTAGTATGCGGTCTCACTAGGAGTGTGAG 1674
Db 708 ATTTCATCTTGGCTCCCTGCTTACCTTGTGCGCCCACTTACGAGAGTGTGAG 767
Qy 1675 GCGAGAGAACCAAGTGGTGAATCGGCTGACAGAAAGCCGCAAGCGGCAAGC 1734
Db 768 GGAAACAGACAGAAATGGGACTGGGAGTCTGAGAAATCTGTTACCGCAAGGAGAG 827
Qy 1735 ATTCAGATCCAGCCGAGCGGCTTCTACTGATGATGATGACAGATGGCAACAGTAC 1794
Db 828 ATTCATCTGACCAAGAGGTGAATTTGACTGATGATGATGATGATGATGATGATGAT 887
Qy 1795 AGCGCTGAGAGAGCCCTGAGCGGCTTACCTGCGGAGCAAGCTTGAAGGTGGT 1854
Db 888 TCTGCGAGACAGTGTGCGTGTGCTTCTCTTCTGAGACCGCAAGTATGAGAGTGGG 947
Qy 1855 GTCTTCTGAGTATGACCAAGCTTGTCTATCTTACATGATGATGATGATGATGATGAT 1914
Db 948 ATTTTCTGATATGAGGATGACGAAGCTTCTTTTGTGATGATGATGATGATGATGAT 1007

OY 1915 CTCTACACCTTCCCGAGAGAGTTCCCTGGCAAGCTGCTTCTTACTTCAAGCCCTGGCCAG 1974
 Db 1008 GTCTATACATTACAGAGTGTCTCTGCTAGAGACCATGCACTGTTTTTTTCTCTTCCA 1067
 OY 1975 AGCCACGCCAATGGCAAGA 1994
 Db 1068 AGTCCACTAATGTGATTA 1087

RESULT 13

US-09-949-016-12856
 ; Sequence 12856, Application US/09949016
 ; Patent No. 6812339
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ; FILE REFERENCE: C1001307
 ; CURRENT APPLICATION NUMBER: US/09/949,016
 ; PRIOR FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 12856
 ; LENGTH: 7873
 ; TYPE: DNA
 ; ORGANISM: Human
 US-09-949-016-12856

Query Match 2.4%; Score 92; DB 4; Length 7873;
 Best Local Similarity 50.4%; Pred. No. 1.8e-11;
 Matches 252; Conservative 0; Mismatches 245; Indels 3; Gaps 1;

OY 1495 ACCCTGAGACCCGGGCAACGCCCTGATCTCTGAGACGATGCACTTGTG 1554
 Db 4968 ACCCTGAGATGCCAGACAGCAACACTTCTCTCATTTTGAAGCACTTCAAGAGCGTC 5027
 OY 1555 GCTTACGCACTTGGACCCAGCAGCAGCACTGCGCAAGCTGCTGATGTGAG 1614
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 OY 1615 GTGTGGTGTGGTGTGAAAGCTTCACTAGTGGCGTCACTACTGGAAGTGTGTG 1674
 Db 5085 ATTTGATCTGTGGCTCCCTCGCTTACCTGTGGCCGCACTAATGGAGGTGACGTG 5144
 OY 1675 GCGAGAAAGACCCAGTGGGTATGGGGCTGGGACAGAAAGCCGCAAGGGCAGC 1734
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 OY 1735 ATTCGATTCAGCCAGCCGCGGCTTCTAATGATCTGATGACAGATGGAACCAATAC 1794
 Db 5205 ATTCATCTGACACAGAGGTGATTTGAGCTGGAATTTGAGAGATGGAAGCCGCTC 5264
 OY 1795 AGCGCTGACAGGAGCCCTGAGCGGGCTTAAAGTCCGGGCAAGCTTGAACAAGTGGGT 1854
 Db 5265 TCTGCAACAGCGGTGCGCTGACTTCTCTTCTGAGACCGCAAGTTACAGCGAGTGGG 5324
 OY 1855 GTCTTCTGAGATGACCAAGGCTTGTCTATCTTCTTCAATGAGTGAATGATCTCTGG 1914
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 OY 1915 CTCTAACCTTCCGGAAGAGTTCCTGGCAAGCTGTGCTTTACTTCAAGCCCTGGCCAG 1974
 Db 5385 GTCTATACATTACAGAGTGTCTGCTGAGAGGCACTGCACTTGTTTTGTCTCTCCA 5444
 OY 1975 AGCCACGCCAATGGCAAGA 1994
 Db 1975 AGCCACGCCAATGGCAAGA 1994

Db 5445 AGTCCACTAATGTGATTA 5464

RESULT 14

US-09-949-016-14851
 ; Sequence 14851, Application US/09949016
 ; Patent No. 6812339
 ; GENERAL INFORMATION:
 ; APPLICANT: VENTER, J. Craig et al.
 ; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
 ; FILE REFERENCE: C1001307
 ; CURRENT APPLICATION NUMBER: US/09/949,016
 ; PRIOR FILING DATE: 2000-04-14
 ; PRIOR APPLICATION NUMBER: 60/241,755
 ; PRIOR FILING DATE: 2000-10-20
 ; PRIOR APPLICATION NUMBER: 60/237,768
 ; PRIOR FILING DATE: 2000-10-03
 ; PRIOR APPLICATION NUMBER: 60/231,498
 ; NUMBER OF SEQ ID NOS: 207012
 ; SOFTWARE: FastSeq for Windows Version 4.0
 ; SEQ ID NO 14851
 ; LENGTH: 7873
 ; TYPE: DNA
 ; ORGANISM: Human
 US-09-949-016-14851

Query Match 2.4%; Score 92; DB 4; Length 7873;
 Best Local Similarity 50.4%; Pred. No. 1.8e-11;
 Matches 252; Conservative 0; Mismatches 245; Indels 3; Gaps 1;

OY 1495 ACCCTGAGACCCGGGCAACGCCCTGATCTCTGAGACGATGCACTTGTG 1554
 Db 4968 ACCCTGAGATGCCAGACAGCAACACTTCTCTCATTTTGAAGCACTTCAAGAGCGTC 5027
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 Db 5028 CGAAGTGGTGAT---CACACGAATCGGCAAGACTTGGAGATTGACGTGCC 5084
 OY 1615 GTGTGGTGTGGTGTGAAAGCTTCACTAGTGGCGTCACTACTGGAAGTGTGTG 1674
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RESULT 15

US-09-774-528-396
 ; Sequence 396, Application US/09774528
 ; Patent No. 6743619

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/ GENERAL INFORMATION:
/ APPLICANT: Tang, Y. Tom
/ APPLICANT: Zhou, Ping
/ APPLICANT: Goodrich, Kyle
/ APPLICANT: Liu, Chenghua
/ APPLICANT: Asundi, Vinod
/ APPLICANT: Ren, Feiyan
/ APPLICANT: Zhang, Jie
/ APPLICANT: Zhao, Qing A.
/ APPLICANT: Yang, Yonghong
/ APPLICANT: Xue, Aidong J.
/ APPLICANT: Wehrman, Tom
/ APPLICANT: Wang, Jian-Rui
/ APPLICANT: Wang, Dunrui
/ APPLICANT: Drenth, Radoje T.
/ TITLE OF INVENTION: No. 6743619e1 Nucleic Acids and
/ TITLE OF INVENTION: Polypeptides
/ FILE REFERENCE: 802
/ CURRENT APPLICATION NUMBER: US/09/774,528
/ NUMBER OF SEQ ID NOS: 441
/ SOFTWARE: pc_genes Version 2.0
/ SEQ ID NO: 396
/ LENGTH: 2889
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ NAME/KEY: CDS
/ LOCATION: (319) .. (2889)
US-09-774-528-396

Query Match      2.3%; Score 89.6; DB 4; Length 2889;
Best Local Similarity 50.8%; Pred. No. 4.2e-11;
Matches 240; Conservative 0; Mismatches 229; Indels 3; Gaps 1;

QY 1481 TGCCAGCCGCCCTTAACCTGACCCGGGACAGCCACAGCGCCTGATCTGTGAG 1540
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DB 659 ACCTAGAGGATTCCGAAGTGGGATTGTAGC--CAGAAATAGAAAGAGCAAGCTGAGA 715
QY 1601 GCTTGATGTGAGGTGTGCTGCTGCTGCTTGAAGCTTCACTAGTATGCGCTCACTACT 1660
DB 716 GGTTCGACACTGCCCCCTGCTGCTGCTGCGGCACTTCCTTCACTTCCGGCCCACTACT 775
QY 1661 GGGAGGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1720
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QY 1721 GCCGCAAGGCGCATCCAGATCCAGCCGAGCGCGCTTCTTAAGTATGATGATGACG 1780
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GenCore version 5.1.6
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Gapop 10.0 , Gapext 1.0

Searched: 5384158 seqs, 2955248155 residues

Total number of hits satisfying chosen parameters: 10768316

Minimum DB seq length: 0

Maximum DB seq length: 200000000

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Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	2308.6	60.3	30676	9	US-09-927-091-8
4	2325.8	58.9	30625	9	US-09-927-091-5
5	995.8	26.0	45845	9	US-09-927-091-6
6	838.6	21.9	49744	9	US-09-927-091-4
7	609.6	15.9	610	13	US-10-027-632-100265
8	609.6	15.9	610	17	US-10-027-632-100265
9	562	14.7	573	9	US-09-864-761-7231
10	431	11.3	431	9	US-09-864-761-23962
11	160.2	4.2	2045	17	US-10-094-749-1459

12	136.4	3.6	1394	9	US-09-764-868-418	Sequence 418, App
13	132.4	3.5	3038	17	US-10-120-988-277	Sequence 277, App
14	122.8	3.2	1904	17	US-10-104-047-103	Sequence 103, App
15	122	3.2	1739	9	US-09-731-872-225	Sequence 225, App
16	122	3.2	1739	10	US-09-876-997-225	Sequence 225, App
17	122	3.2	12733	14	US-10-033-393-47	Sequence 47, App
18	122	3.2	12739	14	US-10-033-393-47	Sequence 47, App
19	119.2	3.1	3006	18	US-10-723-860-6640	Sequence 6640, App
20	119.2	3.1	3479	14	US-10-028-072-123	Sequence 123, App
21	119.2	3.1	3479	14	US-10-140-808-123	Sequence 123, App
22	119.2	3.1	3479	14	US-10-121-049-123	Sequence 123, App
23	119.2	3.1	3479	14	US-10-123-904-123	Sequence 123, App
24	119.2	3.1	3479	14	US-10-140-470-123	Sequence 123, App
25	119.2	3.1	3479	14	US-10-175-746-123	Sequence 123, App
26	119.2	3.1	3479	14	US-10-176-918-123	Sequence 123, App
27	119.2	3.1	3479	14	US-10-176-921-123	Sequence 123, App
28	119.2	3.1	3479	14	US-10-137-865-123	Sequence 123, App
29	119.2	3.1	3479	14	US-10-140-474-123	Sequence 123, App
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32	119.2	3.1	3479	14	US-10-142-419-123	Sequence 123, App
33	119.2	3.1	3479	14	US-10-123-262-123	Sequence 123, App
34	119.2	3.1	3479	14	US-10-142-423-123	Sequence 123, App
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36	119.2	3.1	3479	14	US-10-141-755-123	Sequence 123, App
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38	119.2	3.1	3479	14	US-10-123-108-123	Sequence 123, App
39	119.2	3.1	3479	14	US-10-123-236-123	Sequence 123, App
40	119.2	3.1	3479	14	US-10-123-261-123	Sequence 123, App
41	119.2	3.1	3479	14	US-10-140-921-123	Sequence 123, App
42	119.2	3.1	3479	14	US-10-140-928-123	Sequence 123, App
43	119.2	3.1	3479	14	US-10-121-045-123	Sequence 123, App
44	119.2	3.1	3479	14	US-10-123-292-123	Sequence 123, App
45	119.2	3.1	3479	14	US-10-123-903-123	Sequence 123, App

ALIGNMENTS

RESULT 1
US-09-927-091-3
; Sequence 3, Application US/09927091
; Patent No. US20020119541A1
; GENERAL INFORMATION:
; APPLICANT: KILLARY, ANN
; APPLICANT: LOTT, STEVE
; APPLICANT: CHANDLER, DAMN
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
; FILE REFERENCE: UTSC:651US
; CURRENT APPLICATION NUMBER: US/09/927,091
; CURRENT FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/227,560
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/225,033
; PRIOR FILING DATE: 2000-08-10
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 3826
; TYPE: DNA
; ORGANISM: Human
US-09-927-091-3

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Best Local Similarity 100.0%; Pred. No. 0;
Matches 3826; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 AGGCTGCGTGGACCGAAGCGGTGCTGTAAGCTGCGGGGTAAAGGGGTGCGCGTGG 60
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QY 301 CTTCCCGCTCAAGATCTCCGTCCCTCAAGCGGCTCAAGCCCTCTCCCAAGGGCCATGCCC 360

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Db 1321 GACCGGACACCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1380

QY 1381 CATGAGACCACTCAATATGAAAGTCTTCCGACCTTCAAGTACAGAGCGGCTGAG 1440

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QY 1441 TACACCATCTGGAAGTCCCTGTTCCAGGACATCCAGCGGCGGCTTAACTCTG 1500

Db 1441 TACACCATCTGGAAGTCCCTGTTCCAGGACATCCAGCGGCGGCTTAACTCTG 1500

QY 1501 GACCGGCGGACAGCCACAGGCGCTGATCTGTCGAGCGGCTGACCATTTGCGCTTAC 1560

Db 1501 GACCGGCGGACAGCCACAGGCGCTGATCTGTCGAGCGGCTGACCATTTGCGCTTAC 1560

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QY 1681 AAGACCCAGTGGGATCGGCGCTGCGGAGCAAGAGCGGCGGAGGAGGAGGAGGAGGAGG 1740

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QY 1741 ATCCAGCGGCGGCGGCTTCTACTGATGTCATGTCATGTCATGTCATGTCATGTCATGTC 1800

Db 1741 ATCCAGCGGCGGCGGCTTCTACTGATGTCATGTCATGTCATGTCATGTCATGTCATGTC 1800

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QY 1921 ACCCTCGGAGAAAGTCCCTGCGAAGCTCTGCTTACTTCAAGCGGCGGCGGAGGAGG 1980

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Db 2041 AAGGAGACCAACTCTCTGCGGACCACTGCGGCTGCGGAGGAGGAGGAGGAGGAGGAGG 2100

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Db 2101 AAGACCTGAGATCTGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 2160

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Db 2161 AGCTTCAGTCTGTAATGAGGTTGATTCCTTCAACTCTTCAAGGAGTTC 2220

QY 2221 GATGTTCTGATCTGATCTTGAATGAGGATGATGATGATGATGATGATGATGATGATGATG 2280

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QY	2281	TTCTCTCCAGGGCAA	CCCCCTGCCCCAACCTCTATCCCCATCTTTCCAGGGGAGGGAGACTA	2348	
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QY	2341	CCCTTCAGATGTCCTCCCTCAGCCCAAGCCCTGACCTCAGAGAAGTGTCAAGCATGGCCAGT		2400	
Db	2341	CCCTTCAGATGTCCTCCCTCAGCCCAAGCCCTGACCTCAGAGAAGTGTCAAGCATGGCCAGT		2400	
QY	2401	AGTTGGCAGCCCCGAAAGA	CACAGCACCTCTTATGTCCCATGGCCTTAAGACTTTACCC	2460	
Db	2401	AGTTGGCAGCCCCGAAAGA	CACAGCACCTCTTATGTCCCATGGCCTTAAGACTTTACCC	2460	
QY	2461	TGACCCAAAGCTAGTATGGGCCATTTTACCTCTTGACCCCAAGTGTCA	CAGTGTGTCA	2520	
Db	2461	TGACCCAAAGCTAGTATGGGCCATTTTACCTCTTGACCCCAAGTGTGTCA	CAGTGTGTCA	2520	
QY	2521	ACCTGGTCTTAGGGGTGGCTGTGAGAGCAAACTCTCTGTGCACACCCCA	CACCAAGAACTAT	2580	
Db	2521	ACCTGGTCTTAGGGGTGGCTGTGAGAGCAAACTCTCTGTGCACACCCCA	CACCAAGAACTAT	2580	
QY	2581	ATGGTTCCTACTTCTCCCACTGATCTGTGTGTCA	TGTATGTCTGTGGCCTGTGGAAAG	2640	
Db	2581	ATGGTTCCTACTTCTCCCACTGATCTGTGTGTCA	TGTATGTCTGTGGCCTGTGGAAAG	2640	
QY	2641	CACCTGTGTAGTTGAGTCCACACATTTATGTCA	TGTGTGCCACACAGCC	2700	
Db	2641	CACCTGTGTAGTTGAGTCCACACATTTATGTCA	TGTGTGCCACACAGCC	2700	
QY	2701	GAGGGAGCAGGGTGA	GGGGGTATCCCAACCTGATGTGAGAGGCCATTAGCTTAAAGCACT	2760	
Db	2701	GAGGGAGCAGGGTGA	GGGGGTATACCCAAACCTGATGTGAGAGGCCATTAGCTTAAAGCACT	2760	
QY	2761	GCAGAGACAAAGCCTCCCTGTGATGTGAGAGTCC	CCAGTAGTCTGTGAACAAGAGTCCAGCA	2820	
Db	2761	GCAGAGACAAAGCCTCCCTGTGATGTGAGAGTCC	CCAGTAGTCTGTGAACAAGAGTCCAGCA	2820	
QY	2821	ACCCTCTTCAAGCCAGGCTCTGTGTGACCTGTGA	GGGTGTGACAGAGGCTTCAAGAGCATTTG	2880	
Db	2821	ACCCTCTTCAAGCCAGGCTCTGTGTGACCTGTGA	GGGTGTGACAGAGGCTTCAAGAGCATTTG	2880	
QY	2881	TTGTATATTAGAACCCAGAC	CTGGGAGGGGCGTTGTGGTATGACCCCTGTGACACTTGGC	2940	
Db	2881	TTGTATATTAGAACCCAGAC	CTGGGAGGGGCGTTGTGGTATGACCCCTGTGACACTTGGC	2940	
QY	2941	ATCTATCTCAGTTAGAGATCTGTGTGCA	AAAAACAAGAGCCACTTGTAGCTGTATTAATTA	3000	
Db	2941	ATCTATCTCAGTTAGAGATCTGTGTGCA	AAAAACAAGAGCCACTTGTAGCTGTATTAATTA	3000	
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Db	3001	GACCAAGATTTTACTAC	CTGTGCCCCCTGTGTGGCTTGC	3060	
QY	3061	CAGACTCTGTGTGAATTTTCCAGGA	ACTCCCAAGGCCAATTCATCATGTCTGTGTGACCA	3120	
Db	3061	CAGACTCTGTGTGAATTTTCCAGGA	ACTCCCAAGGCCAATTCATCATGTCTGTGTGACCA	3120	
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QY	3181	GGCTTCCTCTGTGCA	CGGTCCGTGCCAATATGATGTCTTGA	GGGCTGTGCCCTTCTCCCA	3240
Db	3181	GGCTTCCTCTGTGCA	CGGTCCGTGCCAATATGATGTCTTGA	GGGCTGTGCCCTTCTCCCA	3240
QY	3241	CTTCACTCAAGTTC	CCCAAACTTAAATTTTAAACAAGATTCGTGTGGGGGAACTTAACTC	3300	
Db	3241	CTTCACTCAAGTTC	CCCAAACTTAAATTTTAAACAAGATTCGTGTGGGGGAACTTAACTC	3300	
QY	3301	AGATCTCAGAA	CCCTTGGCTGTGCAAGGGAGTCTGGGAAATGTCA	TTTCCCTAGAAAGAAAGTTA	3360
Db	3301	AGATCTCAGAA	CCCTTGGCTGTGCAAGGGAGTCTGGGAAATGTCA	TTTCCCTAGAAAGAAAGTTA	3360
QY	3361	GGGTGGGTGAGCA	AGCCCACTGGCGTTTTTCTTGTCCACAGCATCCAA	TGTGTGAAGAACT	3420

[illegible]

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Qy 1669 GTGAGTGGGAGAAAGAACCAAGTGGGTGATGCGGCTGGCAACAAGCGCGAACCGCCAG 1728
Db 12720 GTGGTGGCGAGAAAGAACCAAGTGGGTGATGCGGCTGGCAACAAGCGCGAACCGCCAG 12779
Qy 1729 GGCAGCATCCAGATCCAGCCCAAGCCGAGCTTCTAATGATCTGTATGACATGAGCAAC 1788
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Db 12840 CAGTACAGGCGCTGCAACGAGGCGCTTGAAGCTCGGAGCAAGCTTGAACAAG 12899
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Db 12960 TCTTGGCTCTACCTTCCGCGAAGAGTTCCTGGCAAGCTTCTTACTTCAAGCCCT 13019
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Qy 3529 CCGGCTTGAATTTTCTTCTTCTGATCTCTGAGGCTTGAATTTCTGCACTTGGGCTCTGACA 3588
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QY	3109	CTGTGTGACACAGAAAGCTGCCCTCATCTG	AGGAACCCATATGCCAAGACTCTG	3168
Db	25049	CTGTGTGACACAGAAAGCTGCCCTCATCTG	AGGAACCCATATGCCAAGACTCTG	25108
QY	3169	ACTGCGAAGACTAGGCTCCCTTGTGCCA	CGGTCCGTGCCAGCCAAATAGATGTCTGAGGCT	3228
Db	25109	ACTGCGAAGACTAGGCTCCCTTGTGCCA	CGGTCCGTGCCAGCCAAATAGATGTCTGAGGCT	25168
QY	3229	GCCCCCTCCCACTTCACCTCACTTTC	CCCAATCTTAATTTTTCACAGAGATTCGTTTGAG	3288
Db	25169	GCCCCCTCCCACTTCACCTCACTTTC	CCCAATCTTAATTTTTCACAGAGATTCGTTTGAG	25228
QY	3289	GGAATCTTAAGTACAGATCCAGAACTT	TGGCTGCAGAGGGAGTCTGGGAAATGTCAATTTCCCT	3348
Db	25229	GGAATCTTAAGTACAGATCCAGAACTT	TGGCTGCAGAGGGAGTCTGGGAAATGTCAATTTCCCT	25288
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Db	25349	TGCTGAAGAAGCTCCGGGAGAGGGTGG	AGTCCCACTTAGGGTGTCTGCCCCCTTGCTCT	25408
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QY	3529	CCGGCTTGACTTTTCTTTCTTAGTCT	CTGAGGACCTAGATTTCTGCACTTGGGACTCTGACA	3588
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QY	3589	CAACACACATCCCAAAAGTAGCCGAG	AAAGACTTAAACAGGGGCTTCTTAAATAGCTGC	3648
Db	25529	CAACACACATCCCAAAAGTAGCCGAG	AAAGACTTAAACAGGGGCTTCTTAAATAGCTGC	25588
QY	3649	CCCCGCCACCCGGGCTCCCTTGGG	CAAAAGAAATTTGACGACCTTAACCCAAACCTTCAA	3708
Db	25589	CCCCGCCACCCGGGCTCCCTTGGG	CAAAAGAAATTTGACGACCTTAACCCAAACCTTCAA	25648
QY	3709	CTACCAAAATCTGGGCCACCCAGCAG	ATATTTTATTTTAAATATGTGTGCCATTTTATAG	3768
Db	25649	CTACCAAAATCTGGGCCACCCAGCAG	ATATTTTATTTTAAATATGTGTGCCATTTTATAG	25708
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RESULT 4
US-09-927-091-5
: Sequence 5, Application US/09927091
: Patent No. US20020119541A1
: GENERAL INFORMATION:
: APPLICANT: KILLARY, ANN
: APPLICANT: LOTT, STEVE
: TITLE OF INVENTION: THE TUMOR SUPPRESSOR
: FILE REFERENCE: UTC6:61US
: CURRENT APPLICATION NUMBER: 09/927,091
: CURRENT FILING DATE: 2001-08-09
: PRIOR APPLICATION NUMBER: 60/227,560
: PRIOR FILING DATE: 2000-08-23
: PRIOR APPLICATION NUMBER: 60/225,033
: PRIOR FILING DATE: 2000-08-10
: NUMBER OF SEQ ID NOS: 9
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 5
: LENGTH: 30625

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/ TYPE: DNA
/ ORGANISM: Human
/ FEATURE:
/ NAME/KEY: modified_base
/ LOCATION: (4754)..(30625)
/ OTHER INFORMATION: n = A or C or G or T/U
US-09-927-091-5

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Query Match	58.9%	Score 2252.8;	DB 9;	Length 30625;
Best Local Similarity	97.5%;	Pred. No. 0;		
Matches 2320;	Conservative	0;	Mismatches 57;	Indels 3;
			Gaps	3;

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QY	1489	GCCTTAACCTTGAACCCGGGACAGGCCCAACAGGCGCTGATCTGTGGAGACATGCACC	1548
Db	21966	GCCTTAACCTTGAACCCGGGACAGGCCCAACAGGCGCTGATCTGTGGAGACATGCACC	2202
QY	1549	ATTGTGCTTAACGGCAATTGCACCCACAGCCATGCAAGCATGCGCCAAAGCGCTTGAT	1608
Db	22026	ATTGTGCTTAACGGCAATTGCACCCACAGCCATGCAAGCATGCGCCAAAGCGCTTGAT	22081
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Db	22086	GTGAGAGTGTCCGTGCTGGGTTCTGAAAGCTTCAAGTATGGAGGTCCACTATGGAGAGTG	22144
QY	1669	GTGTGTGCGGGAAGAACCCAGTGGGTATCGGGCTGGACACGAAAGCCGAAACCCGAAAG	1728
Db	22146	GTGTGTGCGGGAAGAACCCAGTGGGTATCGGGCTGGACACGAAAGCCGAAACCCGAAAG	22201
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Db	22206	GGCAGCATCCAGATCCAGCCACGCGCGGCTTACATGCAATCGTGAATGCACGATGGCAAC	22261
QY	1789	CAGTACAGCGCTTGACAGGACCCCTTGAACGGGCTTAACTCGGGGCAAGCTTGAACAAG	1848
Db	22266	CAGTACAGCGCTTGACAGGACCCCTTGAACGGGCTTAACTCGGGGCAAGCTTGAACAAG	22321
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Db	22326	GTGGGAGTCTTCTCGGACTATGACCAAGGCTGTGCTACTTTCAACATGCTGATGCATG	22381
QY	1909	TCTTGGCTCTACACCTTTCGCGAGAAATTCCTTGAGCATCTGCTCTTACTTCAAGCCCT	1968
Db	22386	TCTTGGCTCTACACCTTTCGCGAGAAATTCCTTGAGCATCTGCTCTTACTTCAAGCCCT	22441
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QY	2209	TCTTCCAGCATCGATGTTCTGTAGCTCTTGACCTTGATAGGGAATACAGCTTTGATCCAAGG	2268
Db	22684	TCTTCCAGCATCGATGTTCTGTAGCTCTTGACCTTGATAGGGAATACAGCTTTGATCCAAGG	22743
QY	2269	ATGTGACATGGCTTCTCTCAGGGCAACCCCTGGCCCAACCTCAATCCCACTTTCTCAGG	2328
Db	22744	ATGTGACATGGCTTCTCTCAGGGCAACCCCTGGCCCAACCTCAATCCCACTTTCTCAGG	22803
QY	2329	GGCAGGGGACTCTTCCAGTGTCTCCCTTCACGCCACCCCTGACCTCAGGAAGTGTCAAG	2388

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 Db 23164 TGGCCACAGGCGGAGGAGGAGGAGGATACCCCAAGCTGATGAGAGCCATTA 23223
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 QY 2869 CAGAAAGCTGTGTATTTAGAGCCCAAGCACT-GGAGAGGAGCTGTGTAGACCC 2927
 Db 23344 CAGAAAGCTGTGTATTTAGAGCCCAAGCACTGTGTAGAGGAGCTGTGTAGACCC 23403
 QY 2928 TGTCAAGCTTGGATATATCTCAAGTATGATGATGATGATGATGATGATGATG 2987
 Db 23404 TGTCAAGCTTGGATATATCTCAAGTATGATGATGATGATGATGATGATGATG 23463
 QY 2988 GGTGATTAATGAGCAAGATTTACTACTGAGGCTGCTGAGGCTGCAAAATGTTGA 3047
 Db 23464 GGTGATTAATGAGCAAGATTTACTACTGAGGCTGCTGAGGCTGCAAAATGTTGA 23523
 QY 3048 AAGAGTGAAGAGCACTCTGCTGAATTTCCAGAACTCCAGCCGAGATTCATCAT 3107
 Db 23524 AAGAGTGAAGAGCACTCTGCTGAATTTCCAGAACTCCAGCCGAGATTCATCAT 23583
 QY 3108 TCTGTTGTGACCGAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 3167
 Db 23584 TCTGTTGTGACCGAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 23643
 QY 3168 GACTGAGAGCAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 3227
 Db 23644 GACTGAGAGCAAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 23703
 QY 3228 TGGCCCTCTCCCACTTCACTAGTTCCTCAATCTAATTTTTCAGAGATTTCTGTT 3287
 Db 23704 TGGCCCTCTCCCACTTCACTAGTTCCTCAATCTAATTTTTCAGAGATTTCTGTT 23763
 QY 3288 GGGAACTTAAGTATGATCCAGAACTTGGCTGAGAGAGTCTGGAAATGTCAATTTCC 3347
 Db 23764 GGGAACTTAAGTATGATCCAGAACTTGGCTGAGAGAGTCTGGAAATGTCAATTTCC 23823
 QY 3348 TGAAGAAGATTAAGGTTGGTGGTGAAGAACCCCACTGTGTTTTCAGAGATTTCA 3407
 Db 23824 TGAAGAAGATTAAGGTTGGTGGTGAAGAACCCCACTGTGTTTTCAGAGATTTCA 23883
 QY 3408 ATCTGTAAGAACTCGGAGAGGAGTGAAGTCAATCTAGAGTTGTCTGCTGCTGCTG 3467

Db 23884 ATCTGTAAGAACTCGGAGAGAGGAGTGAAGTCAATCTAGAGTTGTCTGCTGCT 23943
 QY 3468 TATCCCTGCGCAGAGGTGGGAACTGAGAGAGTGGGCTGCAAGACTGAGCTAATGTCT 3527
 Db 23944 TATCCCTGCGCAGAGGTGGGAACTGAGAGAGTGGGCTGCAAGACTGAGCTAATGTCT 24003
 QY 3528 CCCGGCTTGACTTTTCTTTCTTATGCTCTGGGCTGAGATTTCTGCACTTGGGCTCTG 3587
 Db 24004 CCCGGCTTGACTTTTCTTTCTTATGCTCTGGGCTGAGATTTCTGCACTTGGGCTCTG 24063
 QY 3588 ACAACACACATCCCAAGTATGAGCCGAGAGAGTAAACACAGGGGTTCTTAAATGCTG 3647
 Db 24064 ACAACACACATCCCAAGTATGAGCCGAGAGAGTAAACACAGGGGTTCTTAAATGCTG 24123
 QY 3648 CCCCGGCAACCGGGGCTCTCTTGGGCAAAAGAAATGTCAGCCCTACCCCAACCTTCA 3707
 Db 24124 CCCCGGCAACCGGGGCTCTCTTGGGCAAAAGAAATGTCAGCCCTACCCCAACCTTCA 24183
 QY 3708 ACTACAGATCTGGGCAACCCAGCAGATTTTATTTAAATGTTGCCATTTATGA 3767
 Db 24184 ACTACAGATCTGGGCAACCCAGCAGATTTTATTTAAATGTTGCCATTTATGA 24243
 QY 3768 GTTATGATCAATTTGTATTAATTAAGTTACAGATGCA 3807
 Db 24244 GTTATGATCAATTTGTATTAATTAAGTTACAGATGCA 24283

RESULT 5
 US-09-927-091-6
 ; Sequence 6, Application US/09927091
 ; Patent No. US20020119541A1
 ; GENERAL INFORMATION:
 ; APPLICANT: KILLARY, ANN
 ; APPLICANT: LOTT, STEVE
 ; APPLICANT: CHANDLER, DAMN
 ; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
 ; FILE REFERENCE: UTSC:651US
 ; CURRENT APPLICATION NUMBER: US/09/927,091
 ; PRIOR FILING DATE: 2001-08-09
 ; PRIOR APPLICATION NUMBER: 60/227,560
 ; PRIOR FILING DATE: 2000-08-23
 ; PRIOR APPLICATION NUMBER: 60/225,033
 ; PRIOR FILING DATE: 2000-08-10
 ; NUMBER OF SEQ ID NOS: 9
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 6
 ; LENGTH: 45845
 ; TYPE: DNA
 ; ORGANISM: Human
 US-09-927-091-6

Query Match 26.0%; Score 995.8; DB 9; Length 45845;
 Best Local Similarity 99.7%; Pred. No. 3.6e-262;
 Matches 1008; Conservative 0; Mismatches 2; Indels 1; Gaps 1;

QY 1 AAGCTGCGGTGAGACCGAAGCGGTGCTGCTAGAGTCCGCGGGGTAAAGGGTGGCGCTGG 60
 Db 24164 AAGCTGCGGTGAGACCGAAGCGGTGCTGCTAGAGTCCGCGGGGTAAAGGGTGGCGCTGG 24223
 QY 61 CCAGGATTTGGAGCGGAGTCCGAGAGTGAAGTGAAGCGGCGGCAACCTCTCTTCTGTGCC 120
 Db 24224 CCAGGATTTGGAGCGGAGTCCGAGAGTGAAGTGAAGCGGCGGCAACCTCTCTTCTGTGCC 24283
 QY 121 GGTCAAGCAATGTAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 180
 Db 24284 GGTCAAGCAATGTAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 24343
 QY 181 GCTTCTGCGCTTCCCGGACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 240
 Db 24344 GCTTCTGCGCTTCCCGGACCGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 24403
 QY 241 CCCGCTCCGGAGTCCCTTCTCCAGCTCTATTCCTTGAAGCTGCGCGCCCTTAGAA 300

Db 24404 CCCGCTCCGGGATCCCTTCTCCAGCTCTATCCCTTAGAGCTGCCCCCGCCCTTAGAA 24463
Qy 301 CTTCCCGTAGAGATCTCCCTCCCTCAGCCGCTCAAGCTCTCTCCCAAGGCCATGCCC 360
Db 24464 CTTCCCGTAGAGATCTCCCTCCCTCAGCCGCTCAAGCTCTCTCCCAAGGCCATGCCC 24523
Qy 361 TTGAGCTGCCCACTAATCTAGACTGCCCCGCGGCTGGCGTCCCAAGGATCTAGGC 420
Db 24524 TTGAGCTGCCCACTAATCTAGACTGCCCCGCGGCTGGCGTCCCAAGGATCTAGGC 24583
Qy 421 GCGCACTCCCTTCTCTGCGCTTAACTCTCTTCCGGAAGCAAGCCCTCTCTTCCGGAAGC 480
Db 24584 GCGCACTCCCTTCTCTGCGCTTAACTCTCTTCCGGAAGCAAGCCCTCTCTTCCGGAAGC 24643
Qy 481 TCTTACCTCCCTGCTGAGCGGCGCTGTCGCCCGCGCCAGCCCTCGGTTGCTGCTCCGAA 540
Db 24644 TCTTACCTCCCTGCTGAGCGGCGCTGTCGCCCGCGCCAGCCCTCGGTTGCTGCTCCGAA 24703
Qy 541 GCGCGCGCTCTTCTAGCGCCGCCCTGCGCCCTCGGAGCCCTCTCTGCTGCTGCGC 600
Db 24704 GCGCGCGCTCTTCTAGCGCCGCCCTGCGCCCTCGGAGCCCTCTCTGCTGCTGCGC 24762
Qy 601 GCCATGCGCTGAGCTCTCAAGAGCAAGCTGCTGCTGCTCAATGCTTGAAGATTAACAG 660
Db 24763 GCCATGCGCTGAGCTCTCAAGAGCAAGCTGCTGCTGCTCAATGCTTGAAGATTAACAG 24822
Qy 661 GACCCGCTGAGCTGCGGCTGCGAGCACTTCTGCGCGCGCTGCTCAAGAGCACTG 720
Db 24823 GACCCGCTGAGCTGCGGCTGCGAGCACTTCTGCGCGCGCTGCTCAAGAGCACTG 24882
Qy 721 GTGCGGAGAGAGCGAGGCGCGCGCGAGCTGCGCGAGTGCCTGCGAGCGAGTTCGCGAG 780
Db 24883 GTGCGGAGAGAGCGAGGCGCGCGCGAGCTGCGCGAGTGCCTGCGAGCGAGTTCGCGAG 24942
Qy 781 CCCGCGCTGCGCGCCAGCTCAAGCTGCGCAATCTGCGAGCGCTCAAGCTCTTCCG 840
Db 24943 CCCGCGCTGCGCGCCAGCTCAAGCTGCGCAATCTGCGAGCGCTCAAGCTCTTCCG 25002
Qy 841 CTGAGAGCCATCTCAAGCGCGCGCGCGAGCCCTGCGAGCGCGCAAGAGTC 900
Db 25003 CTGAGAGCCATCTCAAGCGCGCGCGCGAGCCCTGCGAGCGCGCAAGAGTC 25062
Qy 901 AAGCTCTTCTGCTCAAGAGCGCGCGCTTCTCTGCTTCTTCTGAGAGCTGCACTG 960
Db 25063 AAGCTCTTCTGCTCAAGAGCGCGCGCTTCTCTGCTTCTTCTGAGAGCTGCACTG 25122
Qy 961 CACGAGCAGCATCAGTCAACGCGGATCGAGCGAGCGCTTCAAGAGCTGCAAG 1011
Db 25123 CACGAGCAGCATCAGTCAACGCGGATCGAGCGAGCGCTTCAAGAGCTGCAAG 25173

RESULT 6
US-09-927-091-4
; Sequence 4, Application US/09927091
; Patent No. US20020119541A1
; GENERAL INFORMATION:
; APPLICANT: KILLARY, ANN
; APPLICANT: LOTT, STEVE
; APPLICANT: CHANDLER, DAMN
; TITLE OF INVENTION: THE TUMOR SUPPRESSOR CAR-1
; CURRENT FILING DATE: 2001-08-09
; PRIOR FILING DATE: 2001-08-09
; PRIOR APPLICATION NUMBER: 60/227,560
; PRIOR FILING DATE: 2000-08-23
; PRIOR APPLICATION NUMBER: 60/225,033
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 49744
; TYPE: DNA
; ORGANISM: Human

US-09-927-091-4
Query Match 21.9%; Score 838.6; DB 9; Length 49744;
Best Local Similarity 93.5%; Pred. No. 6,6e-219;
Matches 951; Conservative 0; Mismatches 59; Indels 7; Gaps 7;
Qy 1 AAGCTGCCCTGAGCCGGAAGCGGTGCTTAAAGCTGCGGGGTTAAGGGTGCCTGG 60
Db 34306 AAGCTGCCCTGAGCCGGAAGCGGTGCTTAAAGCTGCGGGGTTAAGGGTGCCTGG 34365
Qy 61 CCAGGATTGAGGCGCGGATCCGAGCTGAGCGGCGCGGACCCCTCTTCTGCGC 120
Db 34366 CCA-GTTTGGGGCGGGATCCGAGCTGAGCGGCGCGGACCCCTCTTCTGCGC 34424
Qy 121 GGTCAAGCCAAATGATGAGCTTCCGCTGCGCTGCGCTTCCCGAGATTCCCATCCCA 180
Db 34425 GGTCAAGCCAAATGATGAGCTTCCGCTGCGCTGCGCTTCCCGAGATTCCCATCCCA 34484
Qy 181 GCTTCTGCGCTCCCG 240
Db 34485 GCTTCTGCGCTCCCG 34544
Qy 241 CCCGCTCCGGGATCCCTTCTCCAGCTCTATCCCTTAGAGCTGCGCGCGCGCGCGCG 300
Db 34545 CCCGCTCCGGGATCCCTTCTCCAGCTCTATCCCTTAGAGCTGCGCGCGCGCGCGCG 34604
Qy 301 CTTCCCG-CTCAGATCTCGCTC-CTTCAGCGCTCACA-GCTTCTTCCAGCGCGCATC 357
Db 34605 CTTCCCGAGTTAGATCTCCGCTCTCAGCGCTCTATAGCTTCTTCCAGCGCGCATTC 34664
Qy 358 GCG-CTGAGCTGCGCGCATGAC-CTAGAGCTGCGCGCGCGCGCGCGCGCGCGCGCG 415
Db 34665 GCTTTAGAGCTGCG 34724
Qy 416 CAGCGCGCGACCCCTTCTCGCGTTACCTTCTTCCGAGAGCAAGCCCTCTCTCCG 475
Db 34725 CAGCGCGCGACCCCTTCTCGCGTTACCTTCTTCCGAGAGCAAGCCCTCTCTCCG 34784
Qy 476 GTACTCTTACCTTCTGCTGCTGCGCGCGCTGCTGCGCGCGCGCGCGCGCGCGCG 535
Db 34785 GTACTCTTACCTTCTGCTGCTGCGCGCGCTGCTGCGCGCGCGCGCGCGCGCGCG 34844
Qy 536 CGAGCGCGCGCG-GCTCTCAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 594
Db 34845 CGAGCGCGCGCGCGCTTATTAAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 34904
Qy 595 CTTGCGCGCATGCGGTGCAAGCTTCAAGAGCAAGCTGCTTCAATCTGAGCATC 654
Db 34905 CTTGCGCGCATGCGGTGCAAGCTTCAAGAGCAAGCTGCTTCAATCTGAGCATC 34964
Qy 655 TACAGAGACCGGATGAGCGCTGCGGTGAGACCTTACTTCTGCGCGCGCTGATCAGGAG 714
Db 34965 TACAGAGACCGGATGAGCGCTGCGGTGAGACCTTACTTCTGCGCGCGCTGATCAGGAG 35024
Qy 715 CACTGAGTGGAGAGAGAGCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 774
Db 35025 CACTGAGTGGAGAGAGAGCGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 35084
Qy 775 GCGAGCGCGCGCTGCG 834
Db 35085 GCGAGCGCGCGCTGCG 35144
Qy 835 TTCCCGTGGAGCGCATCTCAAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 894
Db 35145 TTCCCGTGGAGCGCATCTCAAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 35204
Qy 895 AAGTCAAGCTCTTCTGCTTCAAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 954
Db 35205 AAGTCAAGCTCTTCTGCTTCAAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 35264
Qy 955 GCACTGAGAGAGAGCATAGGTCAACGCGCATGAGAGCGCTTTCAGAGAGCTGAG 1011
Db 35265 GCACTGAGAGAGAGCATAGGTCAACGCGCATGAGAGCGCTTTCAGAGAGCTGAG 35321

RESULT 7
US-10-027-632-100265/c
Sequence 100265, Application US/10027632
Publication No. US20020198371A1
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT FILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-02-24
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-09-28
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 100265
LENGTH: 610
TYPE: DNA
ORGANISM: Human
US-10-027-632-100265

Query Match 15.9%; Score 609.6; DB 13; Length 610;
Best Local Similarity 9.8%; Pred. No. 8.9e-157;
Matches 609; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

2345 CCAGTGTCTCCCTCCAGCCCGCTGACCTGACGAGAGTGTGACGATGGCCAGTAGTT 2404
610 CCAGTGTCTCCCTCCAGCCCGCTGACCTGACGAGAGTGTGACGATGGCCAGTAGTT 551
2405 GGCAGCCCGAAGACACACAGACCCCTTTATGTCCCATGGCTTAAGATCCCTGTAC 2464
550 GGCAGCCCGAAGACACACAGACCCCTTTATGTCCCATGGCTTAAGATCCCTGTAC 491
2465 CAAGCTAGTATGGGCGCATTTACCTTGACCCCAAGTGTGACAGTGTGACAGTAGTACT 2524
490 CAAGCTAGTATGGGCGCATTTACCTTGACCCCAAGTGTGACAGTGTGACAGTAGTACT 431
2525 GGTCTCAGGGTGTGCTGAGAGCCCAACCTCTCTGCGCACCCCAACCAAGAACTATATG 2584
430 GGTCTCAGGGTGTGCTGAGAGCCCAACCTCTCTGCGCACCCCAACCAAGAACTATATG 371
2585 TTCTCACTTCTCCCACTGATCTGTGTGTGATGATGATGATGATGATGATGATGATGATG 2644
370 TTCTCACTTCTCCCACTGATCTGTGTGTGATGATGATGATGATGATGATGATGATGATG 311
2645 TGGTAGTTAGTTCACACATTTATGATGATGATGATGATGATGATGATGATGATGATGATG 2704
310 TGGTAGTTAGTTCACACATTTATGATGATGATGATGATGATGATGATGATGATGATGATG 251
2705 GACAGGGTAGGGTATATCCCAAGCTGATGACAGAGCCCACTTAAGCTTAAGCAATGTCAG 2764
250 GACAGGGTAGGGTATATCCCAAGCTGATGACAGAGCCCACTTAAGCTTAAGCAATGTCAG 191
2765 GACAGGGTAGGGTATATCCCAAGCTGATGACAGAGCCCACTTAAGCTTAAGCAATGTCAG 2824
190 GACAGGGTAGGGTATATCCCAAGCTGATGACAGAGCCCACTTAAGCTTAAGCAATGTCAG 131
2825 TCTTCAGCAGGCGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATGATG 2884

Db 130 TCTTCAGCAGGCGCTGTGATGATGATGATGATGATGATGATGATGATGATGATGATG 71
QY 2885 AATTAGACCCAGACATGGGAGGCGCTGTGATGATGATGATGATGATGATGATGATGATG 2944
Db 70 AATTAGACCCAGACATGGGAGGCGCTGTGATGATGATGATGATGATGATGATGATGATG 11
QY 2945 ATCTCAGTTA 2954
Db 10 ATCTCAGTTA 1

RESULT 8
US-10-027-632-100265/c
Sequence 100265, Application US/10027632
Publication No. US20020204075A9
GENERAL INFORMATION:
APPLICANT: Wang, David G.
TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
Polymorphisms in the Human Genome
FILE REFERENCE: 108827.129
CURRENT FILING DATE: 2002-04-30
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-07-12
PRIOR FILING DATE: 2000-04-20
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-02-24
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-11-23
PRIOR FILING DATE: 1999-09-28
PRIOR FILING DATE: 1999-08-09
NUMBER OF SEQ ID NOS: 325720
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 100265
LENGTH: 610
TYPE: DNA
ORGANISM: Human
US-10-027-632-100265

Query Match 15.9%; Score 609.6; DB 17; Length 610;
Best Local Similarity 9.8%; Pred. No. 8.9e-157;
Matches 609; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

2345 CCAGTGTCTCCCTCCAGCCCGCTGACCTGACGAGAGTGTGACGATGGCCAGTAGTT 2404
610 CCAGTGTCTCCCTCCAGCCCGCTGACCTGACGAGAGTGTGACGATGGCCAGTAGTT 551
2405 GGCAGCCCGAAGACACACAGACCCCTTTATGTCCCATGGCTTAAGATCCCTGTAC 2464
550 GGCAGCCCGAAGACACACAGACCCCTTTATGTCCCATGGCTTAAGATCCCTGTAC 491
2465 CAAGCTAGTATGGGCGCATTTACCTTGACCCCAAGTGTGACAGTGTGACAGTAGTACT 2524
490 CAAGCTAGTATGGGCGCATTTACCTTGACCCCAAGTGTGACAGTGTGACAGTAGTACT 431
2525 GGTCTCAGGGTGTGCTGAGAGCCCAACCTCTCTGCGCACCCCAACCAAGAACTATATG 2584
430 GGTCTCAGGGTGTGCTGAGAGCCCAACCTCTCTGCGCACCCCAACCAAGAACTATATG 371
2585 TTCTCACTTCTCCCACTGATCTGTGTGTGATGATGATGATGATGATGATGATGATGATG 2644
370 TTCTCACTTCTCCCACTGATCTGTGTGTGATGATGATGATGATGATGATGATGATGATG 311
2645 TGGTAGTTAGTTCACACATTTATGATGATGATGATGATGATGATGATGATGATGATGATG 2704
310 TGGTAGTTAGTTCACACATTTATGATGATGATGATGATGATGATGATGATGATGATGATG 251
2705 GACAGGGTAGGGTATATCCCAAGCTGATGACAGAGCCCACTTAAGCTTAAGCAATGTCAG 2764


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CURRENT FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/180,312
PRIOR FILING DATE: 2000-02-04
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 09/632,366
PRIOR FILING DATE: 2000-08-03
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 09/608,408
PRIOR FILING DATE: 2000-06-30
PRIOR APPLICATION NUMBER: US 09/774,203
PRIOR FILING DATE: 2001-01-29
NUMBER OF SEQ ID NOS: 49117
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
SEQ ID NO 23962
LENGTH: 431
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
OTHER INFORMATION: MAP TO AC022262.3
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 4.8
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 4.2
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 3.9
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 4.5
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 4.6
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 4.2
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4.1
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 3.2
OTHER INFORMATION: EST HUMAN HIT: BE315402.1, EVALU0 0.00e+00
OTHER INFORMATION: SWISSPROT HIT: 002084, EVALU0 5.00e-28
OTHER INFORMATION: NT HIT: g111423970, EVALU0 0.00e+00
US-09-864-761-23962
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Query Match 11.3%; Score 431; DB 9; Length 431;
Best Local Similarity 100.0%; Pred. No. 1e-107;
Matches 431; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1643 GTAAGTGGCTCCACTACTGAGAGTGTGTGCGGAGAGACCCAGTGGTGTATGGGC 1702
DB 431 GTAAGTGGCTCCACTACTGAGAGTGTGTGCGGAGAGACCCAGTGGTGTATGGGC 372
QY 1703 TGGACACGAGCGGACGAGCGGAGGAGGAGATCCAGATCCAGCCGCGGCTTCT 1762
DB 371 TGGACACGAGCGGACGAGCGGAGGAGGAGATCCAGATCCAGCCGCGGCTTCT 312
QY 1763 ACTGATCTGTATGACGATGGCAACAGTATACGCGCTTGACAGAGCCCTTGACCGCGC 1822
DB 311 ACTGATCTGTATGACGATGGCAACAGTATACGCGCTTGACAGAGCCCTTGACCGCGC 252
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QY 1823 TTAAGTCCGGAGACAAGCTTGACAAGGTGGGTCTTCTCTGAGACTATGACCAAGGCTTC 1882
DB 251 TTAAGTCCGGAGACAAGCTTGACAAGGTGGGTCTTCTCTGAGACTATGACCAAGGCTTC 192
QY 1883 TCATCTTACAAATGCTGATGACATGTCTGAGCTTACACCTTCCGAGAAATTCCTG 1942
DB 191 TCATCTTACAAATGCTGATGACATGTCTGAGCTTACACCTTCCGAGAAATTCCTG 132
QY 1943 GCAAGCTGCTCTTCTTACTTACAGCCCTGCGCAAGCCACGCAATGCGCAAACTTCACG 2002
DB 131 GCAAGCTGCTCTTCTTACTTACAGCCCTGCGCAAGCCACGCAATGCGCAAACTTCACG 72
QY 2003 CGCTGGGATCAACACCGTCCGATCTGTGTCCAGGAGAAAGAGACCAACCTCTGAG 2062
DB 71 CGCTGGGATCAACACCGTCCGATCTGTGTGTCCAGGAGAAAGAGACCAACCTCTGAG 12
QY 2063 ACCACTGCCAC 2073
DB 11 ACCACTGCCAC 1
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RESULT 11
US-10-094-749-1459
Sequence 1459, Application US/10094749
Publication No. US20030219741A1
GENERAL INFORMATION:
APPLICANT: ISOGAI, TAKAO
APPLICANT: SUGIYAMA, TOMOYASU
APPLICANT: OTSUKI, TETSUJI
APPLICANT: WAKAMATSU, AI
APPLICANT: SATO, HIROYUKI
APPLICANT: ISHII, SHIZUKO
APPLICANT: YAMAMOTO, JUN-ICHI
APPLICANT: ISONO, YUUKO
APPLICANT: HIO, YURI
APPLICANT: OTSUKA, KAORU
APPLICANT: NAGAI, KEIICHI
APPLICANT: IRIE, RYOTARO
APPLICANT: TAMECHIKA, ICHIRO
APPLICANT: SEKI, NAOHITO
APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: OTSUKA, MOTOYUKI
APPLICANT: NAGAHARI, KENJI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
FILE REFERENCE: 08435/0160
CURRENT APPLICATION NUMBER: US/10/094,749
CURRENT FILING DATE: 2002-03-12
PRIOR APPLICATION NUMBER: 60/350,435
PRIOR FILING DATE: 2002-01-24
PRIOR APPLICATION NUMBER: JP 2001-328381
PRIOR FILING DATE: 2001-09-14
NUMBER OF SEQ ID NOS: 3381
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1459
LENGTH: 2045
TYPE: DNA
ORGANISM: Homo sapiens
US-10-094-749-1459
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Query Match 4.2%; Score 160.2; DB 17; Length 2045;
Best Local Similarity 48.9%; Pred. No. 6.5e-33;
Matches 663; Conservative 0; Mismatches 648; Indels 44; Gaps 7;
QY 616 CTCAGAAGCAAGCTCTGTGCTCCATCTGCTGAGACATATACAGACCCGGTGAAGCTG 675
DB 223 CTGAGAGACCGGCTTCAAGTGTCCATCTGCTGAGAGTCTTCAAGAGCCCTGATGCTG 288
QY 676 GGCCTGGAGCACTACTTCTGCGCGCGCTGCATCAAGAGCACTGAGTGGCGGAGAGGCG 735
DB 289 CAGTGTGGCACTTACTTATGCAAGGCGTGCCTGTTCCCTGTCTGCAACCTGATGCC 348
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QY 736 CAGGCGCCGCGGCACTGCCCCAGTGGCGGCGACAGTTCCGCGAGCCCGCGCTGGGCCC 795
 DB 349 GAG-----CTGGCTCCCTCCCTGTTGTGCGGAGCGGTGGATGACAGCACTCCCTGCC 402
 QY 796 AGCTCAAGTGGCGCAATCTGGAGCGCTACAGCTCTTCCCGCTGACGCCATCTCT 855
 DB 403 AAGCTTCCTCCGCGAGGGTGTATGAAAGCCCTGAGG--CTCCCTGGGGAGCCCGAGCCCA 460
 QY 856 AAGCGCGCGCGCGCGCGCGCGAGCCCTGCGAGCGCGACGACAAAGTCAAGCTTTCTGCTTC 915
 DB 461 AGCTTGTGCTGACACACCGGAAACCCGC-----TCAGCTTTTCTGCGAG 504
 QY 916 ACCGACCGCGCTTCTCTCTCTCTTCTTCTGCGAGAGCTGCACTGACGAGCAGCATGAG 975
 DB 505 AAGGACGAGGAGCTCATCTGTGTGCGCTCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGT 564
 QY 976 GTTACCGGCTGACGACGCTTCTGACGAGCTGACGAGCGAGCTGAAAGCACTTTCAG 1035
 DB 565 GTACAGCGCGCTCTCAACCGCTCTACAGCGCATGAAAGAGAGCTGCGACCCCTCATCTCT 624
 QY 1036 GCCCTTCAAGACAGCGAGCGGGAACAACCGGAAGCGCTGCACTGCTCAAGCGACACTG 1095
 DB 625 GAGCTGAAG 684
 QY 1096 GCGGAGACCAAGTCTTTCACCAAGAGCTGCGGACCACTTACGCGAGCGCTTTCAGAGCG 1155
 DB 685 ACCGATGCTCAATAGTGTGATGTCTTCACTGTGAGTATCCGCGCGAGTTCCAGAGG 744
 QY 1156 CTGACCGGCTGTGTGTGTAACCGGAGAGCGCATGCTTGAAGAGCTGAGCGGACAGC 1215
 DB 745 CTGACACACCTGT 802
 QY 1216 GCCCGACGCTGACCGACATCGAGCAGAAAGTCCAGCGCTTACGACGAGCAGCTGCGCAAG 1275
 DB 803 ACCCGTGGCTGT 862
 QY 1276 GTTCAAG 1335
 DB 863 CCGCTGTGCGCAAGCGAGGT 922
 QY 1336 CTGGCTG-----GATGCTCTACCTGTGCGAGCGGCTTCAAGGAGAGAGAGAGAGAGAGAG 1389
 DB 923 ATCCGCTTCCATCTCACTGCTCTTCAAGCAGGCTTCCACAGGCTGATCAAGGTGACCTG 982
 QY 1390 AACCTCAATATGAAGATCTTCCGACCTTCAAGTACAGAGCGCCCTGACAGTACACATC 1449
 DB 983 GCATTGAGCCCATCTCTTCAAGCAGGCTTCCACAGGCTGATCAAGGTGACCTG 1042
 QY 1450 TGGAGTCCCTGTGTCAGAGACATCCACCAAGTCCAGCGCGCTTACACCTGAGCCGCGG 1509
 DB 1043 TGGAAAGAGCTTTCGGAAGAGTTTGTGCAAGCCCGAGGCTTCAAGTTGAGACCTG 1102
 QY 1510 ACAGCCCAACAGCGGCTGATCTGTGCGACATCTGCACTTGTGAGCTTACGCGCAACTG 1569
 DB 1103 ACTGCTCAACCTCTGGAAGCTTC---CAAGGCAACACGCTGTGTGCACTGTGCGGCTT 1159
 QY 1570 CACCCACAGCCTGACAGACTGCGCAAGGCTTGTGATGTGAGGTGTGCTGTGCTGTGCT 1629
 DB 1160 CTGGCCAGCGCGCGAGCGAGCGAGCTGAGCGCTTCACTGACAGCACTGTGCTGCGC 1219
 QY 1630 TCTGAAGCTTCAAGTGTGCGTCCACTACTGAGAGGTGTGTGTGTGTGTGTGTGTGTGTGT 1689
 DB 1220 AGCGCGGCTTCTCTGCGCGCGCGACACTACTGAGAGGTGTGTGTGTGTGTGTGTGTGTGT 1279
 QY 1690 TGGGTATGTGGAGTGGACACAGAGCGGCAAGCGGCAAGGAGCACTTCAAGTCCAGCGC 1749
 DB 1280 TGGGCTGTGGGGGTATCAAGGACAGCGCAGCGGTGAAGGCAAGTGAACAGTCTCC 1339
 QY 1750 AGCGCGGCTTCTACTGTGATGTGTATGACAGTGTGCAACAGTCAAGGCTTGTGACGAG 1809
 DB 1340 GAGCAGCGCGGT 1399
 QY 1810 CCTGAGCGCGCTTAACTGTCCGGGACAAAGCTTGAACAAGTGTGTGTGTGTGTGTGTGTGT 1869

DB 1400 CCCCCGTAACCCCTGCG 1459
 QY 1870 GACCAAGGCTTGTATCTTCTTCAAGT-----CTGATGACATGTCTGTGCTTAC 1920
 DB 1460 GAGCGAGCGTAATCACTTCTTGTGATGCCAGCGCGCGCGAGTACGTGCGCGCTTAC 1519
 QY 1921 ACCCTTCCGGAAGATTCCCTGCGCAAGCTTGTCTC 1955
 DB 1520 ACCTTCCAGCGCGAGCTTCAAGGCGCAAGCTTACCC 1554

RESULT 12

US-09-764-868-418
 ; Sequence 418, Application US/09764868
 ; Patent No. US2002016871A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rosen et al.
 ; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
 ; FILE REFERENCE: PT232
 ; CURRENT APPLICATION NUMBER: US/09/764,868
 ; PRIOR FILING DATE: 2001-01-17
 ; Prior application data removed - refer to PALM or file wrapper
 ; NUMBER OF SEQ ID NOS: 1510
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO 418
 ; LENGTH: 1394
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-764-868-418

Query Match

3.6%; Score 136.4; DB 9; Length 1394;
 Best Local Similarity 54.9%; Pred. No. 1.9e-26;
 Matches 269; Conservative 0; Mismatches 221; Indels 0; Gaps 0;

QY 1482 GCCAGCGCCCTTAACCTTGAACCCGAGCAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG 1541
 DB 45 GCGAGCGGATGTACCCCTGAGACCTTGAAGACGTCTCACTTACCTTGTGTGAGAG 104
 QY 1542 CTGACCATTTGTGCTTACGCGCACTTGAACCGACCGCACTGACAGTCTGCGCAAGCG 1601
 DB 105 TCGTAAAGGTCAAGTTCGTGAGACAAGACTCCGGGATCTCTGACACACCAAGCG 164
 QY 1602 CTTCGATGTGAGAGTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGT 1661
 DB 165 TTTCACCTTACCTTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGTGCTGT 224
 QY 1662 GAGGT 1721
 DB 225 GAGGT 284
 QY 1722 CCGCAAGGAGAGATCCAGATCCAGCCGCGCGCTTCTACTGATGTGTGACGA 1781
 DB 285 CCAAGAGGAGAGATCTTCACTCCCTGAGACTGTGCTGTGCTGTGCTGTGCTGTGCTGTG 344
 QY 1782 TGGCAACCAATACAGGCTTGAACGCGAGCGCTGAGCGCGCTTAACTGTGCGGAGAACT 1841
 DB 345 TGGGGAATAATGACGACACACACACACTTTTACCTTTGACATATGAAGTGAAC 404
 QY 405 CAAAGCGGTAGGATATCTTCTAGACTATGAGCGCGGACACTGTCTTTCTAACAAGTCA 464
 DB 1842 TGAAGAAGTGTGTCTTCTGTGATGAGCAAGGCTTGTCACTTTTCAAGTCTGA 1901
 QY 1902 TGACATGCTGTGCTTCACTTCCGCGAAGAGTTCCTGTGCAAGCTCTGCTTTACTT 1961
 DB 465 AAGCGCTCTCATATTTACCTTCACTGATCTTTTACTGAAACTTTGCGCCCTT 524
 QY 1962 CAGCCCTGCG 1971
 DB 525 CTACCGAGC 534

RESULT 13


```
US-10-120-988-277
; Sequence 277, Application US/10120988
; Publication No. US20030219745A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Goodrich, Ryle
; APPLICANT: Liu, Chenghua
; APPLICANT: Ren, Feiyun
; APPLICANT: Wang, Dunru
; APPLICANT: Drenth, Radoje T.
; TITLE OF INVENTION: No. US20030219745A1el Nucleic Acids and
; FILE OF INVENTION: Polypeptides
; FILE REFERENCE: 802CON
; CURRENT APPLICATION NUMBER: US/10/120,988
; PRIOR FILING DATE: 2002-04-11
; PRIOR APPLICATION NUMBER: 09/774,528
; NUMBER OF SEQ ID NOS: 441
; SOFTWARE: pc FL_genes Version 2.0
; SEQ ID NO 277
; LENGTH: 3038
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1557)
; US-10-120-988-277
```

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Query Match      3.5%; Score 132.4; DB 17; Length 3038;
Best Local Similarity 54.5%; Pred. No. 3.5e-25;
Matches 265; Conservative 0; Mismatches 221; Indels 0; Gaps 0;
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QY 1486 GCGGCGCTTAACCTTGAGACCCGCGGACAGCCACACAGCCCTGATCTCTGCGACGATC 1545
DB 1009 GCGGATGTGACCCCTGAGACCTGAGACGCTCACTCACTGATCTCTGCGACGATC 1068
QY 1546 ACCATTGTGCTTACGCGCACTTGACCCACAGCCACTGAGAGCTCGGCAAGCGCTTC 1605
DB 1069 AAGAGCGTAAATTCGTGAGACAGACTCCGGGATCTCCCTGACACACAGGCGCTTC 1128
QY 1606 GATGTGAGAGTGTGCGTGTGCTGAGGTTCTGAAGCTTCAAGTATGAGCGTCACTA 1665
DB 1129 ACCCTTACCTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1188
QY 1666 GTGTGTGTGTGCGGAGAAAGCCCAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1725
DB 1189 GTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1248
QY 1726 AAGGAGAGCATCCAGATCCAGCCGCGGCTTCTAATGATGTGTGTGTGTGTGTGT 1785
DB 1249 AAGGAGAGCATCCAGATCCAGCCGCGGCTTCTAATGATGTGTGTGTGTGTGTGT 1308
QY 1786 AACGATACAGGCGCTGACAGGAGCCCTGAGCGGCTTAAAGCTCCGAGCAAGCTT 1845
DB 1309 GAGGATATGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 1368
QY 1846 AAGGTGTGTGTCTTCTGTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1905
DB 1369 CGGAGAGGATATCTTCTGATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1428
QY 1906 ATGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1965
DB 1429 CGCTCTCATATCTTACCTTCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1488
QY 1966 CCTGGC 1971
DB 1489 CCAAGC 1494
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RESULT 14
US-10-104-047-103
; Sequence 103, Application US/10104047
; Publication No. US20030236392A1
```

```
; GENERAL INFORMATION:
; APPLICANT: HELIX RESEARCH INSTITUTE
; TITLE OF INVENTION: No. US20030236392A1el full length cDNA
; FILE REFERENCE: H1-A0105
; CURRENT APPLICATION NUMBER: US/10/104,047
; PRIOR FILING DATE: 2002-03-25
; PRIOR APPLICATION NUMBER:
; NUMBER OF SEQ ID NOS: 4096
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 103
; LENGTH: 1904
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-104-047-103
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Query Match      3.2%; Score 122.8; DB 17; Length 1904;
Best Local Similarity 45.7%; Pred. No. 1.2e-22;
Matches 519; Conservative 0; Mismatches 602; Indels 15; Gaps 2;
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QY 893 ACAAGTCAAGCTCTTCTGCTCAGGACCGGCGCTTCTCTGCTTCTTCTGCGAGAC 952
DB 1 ACCGCTGAGCATCTACTGCGAGCAGACCGGCGCTGCTGTGTGTGTGTGTGTGTGTGT 60
QY 953 CTGCACTGACGAGCAGCATCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 1012
DB 61 TGGGCTGCGACCGCGGTATGCGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 120
QY 1013 GGGAGCTGAGGAGCACTTCAAGGCTTCAAGAGCAGGAGGAGGAGGAGGAGGAG 1072
DB 121 CACAGCTGCGACAGAGAAATGCGAGCTGCGAGAGGAGGAGGAGGAGGAGGAGGAG 180
QY 1073 TGCAGCTGTCAAGGAGCACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1132
DB 181 TGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 240
QY 1133 CTATGCGAGGAGCTTCTGAGCGGCTGCAAGCGGCTGCTGCTGCTGCTGCTGCT 1192
DB 241 CCGTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 300
QY 1193 TAGAGAGCTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1252
DB 301 ACCGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 360
QY 1253 GCTAAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1312
DB 361 GCTAAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 420
QY 1313 CTGAAACGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1372
DB 421 ACAAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 480
QY 1373 GAAATATCATGAGACCACTTCAATATGAGATTTCCCGACCTTCAAGTACAGAG 1432
DB 481 TCCGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 540
QY 1433 CCTGAGATGACCACTTGTGAGAGTCCCTGTTCAGAGACATCCAGAGTCCAGCC 1492
DB 541 ACTTCAATATTCAGAGTGTGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 600
QY 1493 TAACCTGAGACCGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1552
DB 601 TGAACCTTGTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 660
QY 1553 TGGCTTACGAGCACTTGTGAGCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1612
DB 661 TGGAGTGTCTGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 720
QY 1613 AGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1672
DB 721 CGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 780
QY 1673 TGGCGAGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1732
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Db      781 TTGGCAGACAGCCGCTGCGGCGTGATTCGCGGCCAGAGGCCCGCCCGCGGGCC 840
Qy      1733 GCATCCAGATCCAGCCCGCGGCTTCTACTGCACTGATGACAGATGCA----- 1786
Db      841 GCGTCGACGCGGTGCTCTGCGAGGGGCTGTGGCTGTGGGCTGCGCGAGGGGCAAGATCC 900
Qy      1787 ---ACCACTACAGCGCGCTGCGAGCGCCCTGAGCGCGGCTTAAAGTCGAGGCAAGCTTG 1843
Db      901 TGGAGGACACGCTGGAGGCCAGAGAGCCGCGGCTTGGCGAGCCCGGAGAGCGGACCA 960
Qy      1844 ACAAGTGGGTGTCTTCTGGAATAGCAAGCTTGTCTCATCTTCAAAATGCTGATG 1903
Db      961 CCGCATTTGGCTTTTACTGAGCTTGGGCGACGGCGTCTCTCTTCTTCAAGTGCAGCG 1020
Qy      1904 ACATGCTCTGGCTTACACTT-----CCGGAGAAAGTTCCCTGGCAAGCTTGTCTT 1957
Db      1021 AGCGCGACCGGCTCTGCGCTTTTGTGCTTCCACGAGCGCTGCGCCAGGCCCGTGTACC 1080
Qy      1958 ACTTCAGCCCTGCGCCAGAGCCACGCCAATGAGCAAGAACCTTACGCGCTGCGGATC 2013
Db      1081 CTTTCTTGACGCTGTGTGCGACGACAGGCGCAAGATGCCAGCGCGCTGCTGCTC 1136
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RESULT 15
US-09-731-872-225
; Sequence 225, Application US/09731872
; Patent No. US20020102604A1
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean Baptiste
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Jobert, Severin
; TITLE OF INVENTION: FULL-LENGTH HUMAN cDNAs ENCODING POTENTIALLY SECRETED PROTEINS
; FILE REFERENCE: 78. US3. REG
; CURRENT APPLICATION NUMBER: US/09/731,872
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: US 60/169,629
; PRIOR FILING DATE: 1999-12-08
; PRIOR APPLICATION NUMBER: US 60/187,470
; PRIOR FILING DATE: 2000-03-06
; NUMBER OF SEQ ID NOS: 482
; SOFTWARE: Patent.pm
; SEQ ID NO 225
; LENGTH: 1739
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 171..1670
; US-09-731-872-225.
```

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Query Match      3.2%; Score 122; DB 9; Length 1739;
Best Local Similarity 51.9%; Pred. No. 2e-22;
Matches 300; Conservative 0; Mismatches 275; Indels 3; Gaps 1;
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Qy      1419 CAAGTACACAGGCCCTCTGACATACCATCTGAAAGTCCCTGTTCAGGACATCCACC 1478
Db      1070 CCAGTACAAAGGTCTATTCAGTATGATGAGGAATGACAGACACTCTGCCC 1129
Qy      1479 AGTGCACGCCGCTTAACCTTGAACCGGGGACAGCCACCAAGCGCTGATCTGTGGA 1538
Db      1130 AGGCTGTCTCACTACTTGAACCTTAAACAGCTCACCCMAATCTGTGCTCTCCA 1189
Qy      1539 CGACTGCACCAATTGTGCTTACGGCACTTGACCCACAGCCACGCACTGCGCAAA 1598
Db      1190 AAGCCAAACCAAGCTCTGACATGATGATTAAGA---AGATATGCTCTGATGATCTGA 1246
Qy      1599 GCGCTTCATGTGAAGTGTGCGTGTGCTGATGAGCTTCACTGATGAGCTGCTCACTA 1658
Db      1247 GAGGTTGACTCAAGTGTGCTGTACTGTGGCTCAAGAGCTTCACTGGAAGTGTGA 1306
Qy      1659 CTGGAGGTGTGTGTGGCGGAGAACCCAGTGGGTATCGGGCTGGACACGAAGCCGC 1718
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Db      1307 CTGGGAAGTAAAGTAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAG 1366
Qy      1719 AAGCCGAAGGCGAGCATTCAGATTCAGCCGCGCGCTTCTTACTGCACTGATGATGCA 1778
Db      1367 CATTGGAAGGCGAGCTGTCTCTTAACTCTGAGCAAGAGATTCGGCTTTAAAGACTAAG 1426
Qy      1779 CGATGGCAACAGTAAAGCGCTGACGAGACCCCTGAGCGGGCTTAACTCCGGAGAA 1838
Db      1427 GAACCAACTGATCTAAAGGCTCTGAGATTTGCTTCTTCACTGACATGACTAACAA 1486
Qy      1839 GCTTGACAAGTGGGTGTCTTCTGCACTATGACCAAGGCTTGCATCTTCAATATGC 1898
Db      1487 COTGACAAGGTGGGCAATATCTGAGATTAAGAGAGACAGTGTCTTCAATATGC 1546
Qy      1899 TGATGACATGTCTGCTCTTACACCTTCCGGAAGTTCCCTGGCAAGCTTGTCTTAA 1958
Db      1547 TAAACCAATGACTCAATTTACCTTCACTTCACTTCACTTCACTTCACTTCACTTCA 1606
Qy      1959 CTTAGCCCTGCGCCAGAGCCAGCCCAATGGCAAGAG 1996
Db      1607 CTTGCCCCCTGCTTAAATGATGATGATGATGATGATGATGATGATGATGATGATG 1644
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Search completed: February 21, 2005, 22:09:34
Job time : 2000 secs
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